Searles

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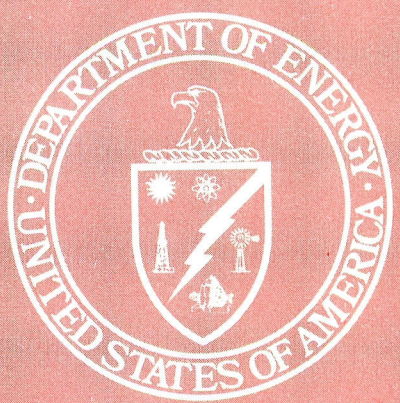
June 1979

Monthly Energy Review



U.S. Department of Energy
Energy Information Administration

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Part 1 Executive Summary

Overview

Domestic energy production in March 1979 was 5.4 quadrillion Btu, 15.7 percent higher than a month ago and 11.1 percent higher than a year ago. Total production in March 1979 was provided by the following sources: dry natural gas 1.7 quadrillion Btu or 30.6 percent of the total; coal and crude oil each with 1.5 quadrillion Btu or 27.9 percent; and 0.7 quadrillion Btu or 13.6 percent, from the sum of hydroelectric power, nuclear electric power, natural gas plant liquids, and electricity produced from geothermal power and wood and waste.

While the United States produced a total of 5.4 quadrillion Btu of energy in March 1979, it consumed a total of 6.9 quadrillion Btu of energy. The difference was provided by imports of energy and drawdowns of fuel stocks.

Domestic energy consumption in March 1979 was 6.9 quadrillion Btu, 1.4 percent lower than a month ago and 1.6 percent higher than a year ago. Petroleum consumption in March 1979 was 3.3 quadrillion Btu, representing 47.2 percent of total consumption. Natural gas consumption was 1.9 quadrillion Btu, or 27.0 percent of the total. Coal consumption was 1.2 quadrillion Btu, or 17.7 percent of the total. All remaining fuels provided 0.6 quadrillion Btu, or 8.1 percent, toward total consumption.

Energy imports in March 1979 totaled 1.7 quadrillion Btu and supplied 24.3 percent of March's total energy consumption. The March 1979 total import figure is 2.2 percent higher than a year ago. The United States exported 0.2 quadrillion Btu of energy in March, for a domestic net import total of 1.5 quadrillion Btu. Crude oil accounted for 1.1 quadrillion Btu of the total net imports, and petroleum products accounted for 0.4 quadrillion Btu. Natural gas, electricity, and coke contributed small amounts to the net import total, while coal represented 0.1 quadrillion Btu of net export.

Executive Summary

Domestic Energy Summary

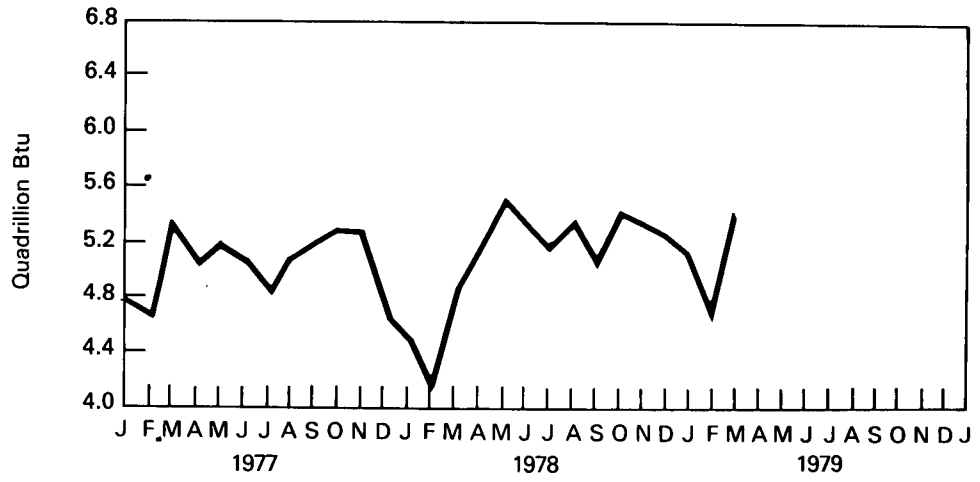
		Domestic Energy Production[1]	Domestic Energy Consumption[2]	Energy Imports[3]	Energy Exports[4]
			Quadrillion (10^{15}) Btu		
1973	**TOTAL**	**62.431**	**74.605**	**14.732**	**2.073**
1974	**TOTAL**	**61.228**	**72.756**	**14.417**	**2.241**
1975	**TOTAL**	**60.057**	**70.706**	**14.114**	**2.389**
1976	**TOTAL**	**60.091**	**74.513**	**16.840**	**2.213**
1977	January	4.798	7.732	1.722	0.103
	February	4.649	6.554	1.749	0.130
	March	5.353	6.452	1.821	0.139
	April	5.035	5.870	1.634	0.200
	May	5.172	5.876	1.660	0.215
	June	5.089	5.967	1.665	0.214
	July	4.853	6.073	1.745	0.199
	August	5.059	6.171	1.654	0.169
	September	5.220	5.960	1.605	0.197
	October	5.288	6.160	1.632	0.191
	November	5.280	6.386	R1.537	0.175
	December	4.635	7.334	1.665	0.164
	TOTAL	**60.431**	**76.535**	**R20.091**	**2.097**
1978	January	R4.488	7.611	1.588	0.079
	February	4.144	6.932	1.409	0.058
	March	4.863	6.817	1.644	0.066
	April	5.146	6.006	1.441	0.135
	May	5.480	6.165	1.460	0.186
	June	5.309	R5.994	1.503	0.225
	July	5.169	6.179	1.585	0.165
	August	5.363	6.315	1.588	0.179
	September	5.025	5.944	1.676	0.186
	October	5.418	6.293	1.612	0.228
	November	R5.334	R6.557	1.636	0.243
	December	R5.284	R7.338	R1.802	R0.214
	TOTAL	**R61.022**	**R78.151**	**R18.944**	**R1.964**
1979	January	R5.142	R7.962	1.703	R0.187
	February	4.670	R7.027	R1.494	R0.156
	March	5.402	6.927	1.680	0.215
	TOTAL (Year to date)	**15.215**	**21.916**	**4.878**	**0.558**

[1]See Explanatory Note 1.
[2]See Explanatory Note 2.
[3]See Explanatory Note 3.
[4]See Explanatory Note 4.
R=Revised data.
Source: Energy Information Administration calculations based on data appearing elsewhere in this publication.

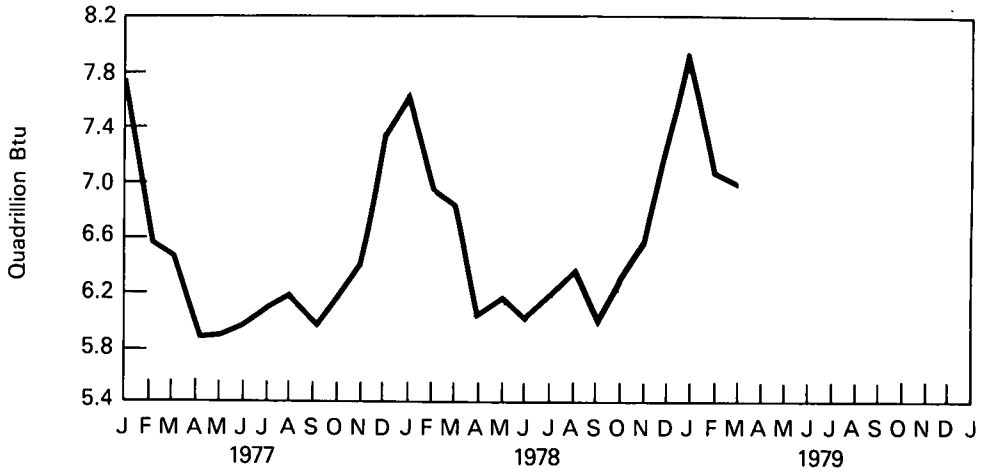
Executive Summary

Domestic Energy Summary

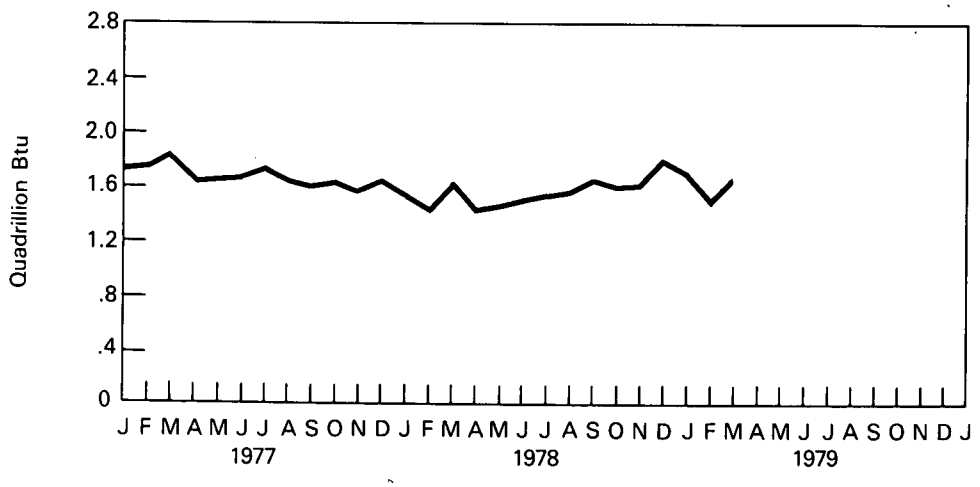
Domestic Production of Energy



Domestic Consumption of Energy



Imports of Energy



Executive Summary

Domestic Energy Production by Primary Energy Type

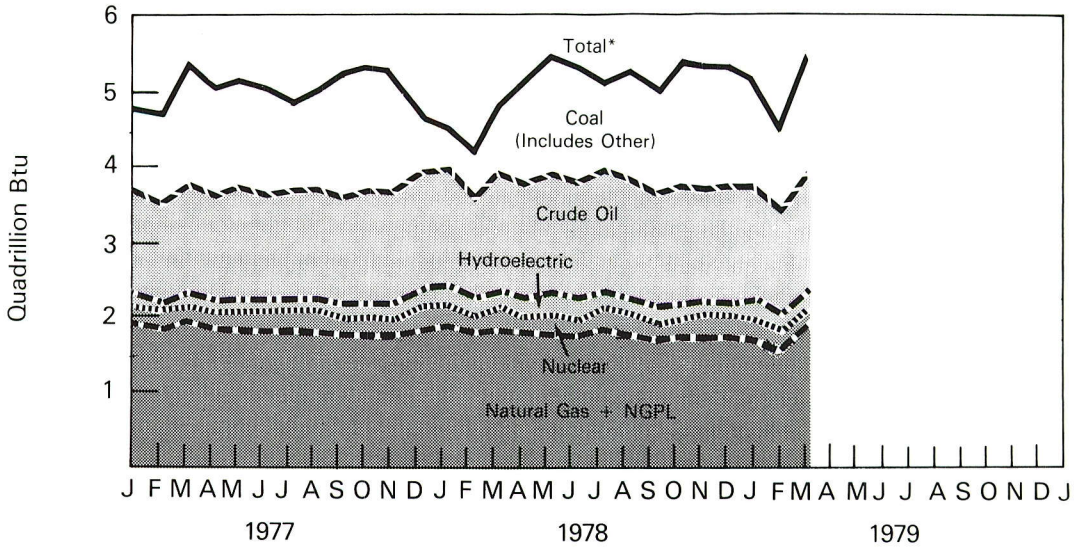
		Coal[1]	Crude Oil[2]	NGPL[3]	Natural Gas (dry)	Hydro-electric Power[4]	Nuclear Electric Power	Other[5]	Total
					Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**14.366**	**19.493**	**2.569**	**22.187**	**2.859**	**0.910**	**0.046**	**62.431**
1974	**TOTAL**	**14.468**	**18.575**	**2.471**	**21.211**	**3.175**	**1.272**	**0.056**	**61.228**
1975	**TOTAL**	**15.189**	**17.729**	**2.374**	**19.641**	**3.152**	**1.900**	**0.072**	**60.057**
1976	**TOTAL**	**15.853**	**17.262**	**2.327**	**19.480**	**2.976**	**2.111**	**0.081**	**60.091**
1977	January	1.032	1.412	0.189	1.700	0.219	0.239	0.007	4.798
	February	1.137	1.322	0.175	1.636	0.161	0.211	0.006	4.649
	March	1.542	1.455	0.206	1.710	0.210	0.223	0.007	5.353
	April	1.397	1.417	0.197	1.606	0.198	0.214	0.006	5.035
	May	1.443	1.452	0.198	1.653	0.198	0.222	0.007	5.172
	June	1.457	1.410	0.191	1.610	0.183	0.232	0.007	5.089
	July	1.144	1.457	0.197	1.636	0.178	0.235	0.007	4.853
	August	1.335	1.494	0.195	1.607	0.177	0.245	0.006	5.059
	September	1.603	1.475	0.187	1.561	0.174	0.211	0.007	5.220
	October	1.561	1.542	0.199	1.591	0.182	0.205	0.007	5.288
	November	1.592	1.493	0.192	1.569	0.216	0.210	0.007	5.280
	December	0.719	1.526	0.200	1.687	0.241	0.256	0.007	4.635
	TOTAL	**15.964**	**17.454**	**2.327**	**19.565**	**2.337**	**2.702**	**0.082**	**60.431**
1978	January	0.539	1.501	0.190	1.707	0.265	0.278	0.007	R4.488
	February	0.546	1.360	0.172	1.588	0.237	0.235	0.006	4.144
	March	0.900	1.583	0.194	1.679	0.260	0.242	0.005	4.863
	April	1.375	1.515	0.191	1.604	0.267	0.189	0.004	5.146
	May	1.587	1.582	0.187	1.597	0.303	0.220	0.004	5.480
	June	1.516	1.535	0.187	1.561	R0.265	0.239	0.005	5.309
	July	1.241	1.573	0.190	1.633	0.258	0.269	0.005	5.169
	August	1.487	1.580	0.190	1.590	0.234	0.276	0.006	5.363
	September	1.336	1.529	0.183	1.508	0.224	0.239	0.007	5.025
	October	1.614	1.588	0.188	1.569	0.207	0.248	0.005	5.418
	November	1.599	1.519	0.189	1.543	0.211	0.268	0.006	R5.334
	December	1.378	R1.555	0.191	1.645	0.233	0.274	0.007	R5.284
	TOTAL	**15.117**	**R18.420**	**R2.255**	**19.222**	**R2.963**	**2.977**	**0.068**	**R61.022**
1979	January	1.203	1.501	0.187	R1.681	0.265	0.299	0.007	R5.142
	February	1.080	1.346	0.172	1.562	0.225	0.279	0.006	4.670
	March	1.507	1.505	0.192	1.654	0.275	0.262	0.008	5.402
	TOTAL (Year to date)	**3.791**	**4.351**	**0.551**	**4.897**	**0.765**	**0.840**	**0.020**	**15.215**

[1] Includes bituminous coal, lignite and anthracite coal.
[2] Includes lease condensate.
[3] Natural gas plant liquids.
[4] Includes industrial and utility production of hydropower.
[5] Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration calculations based on data reported elsewhere in this publication.

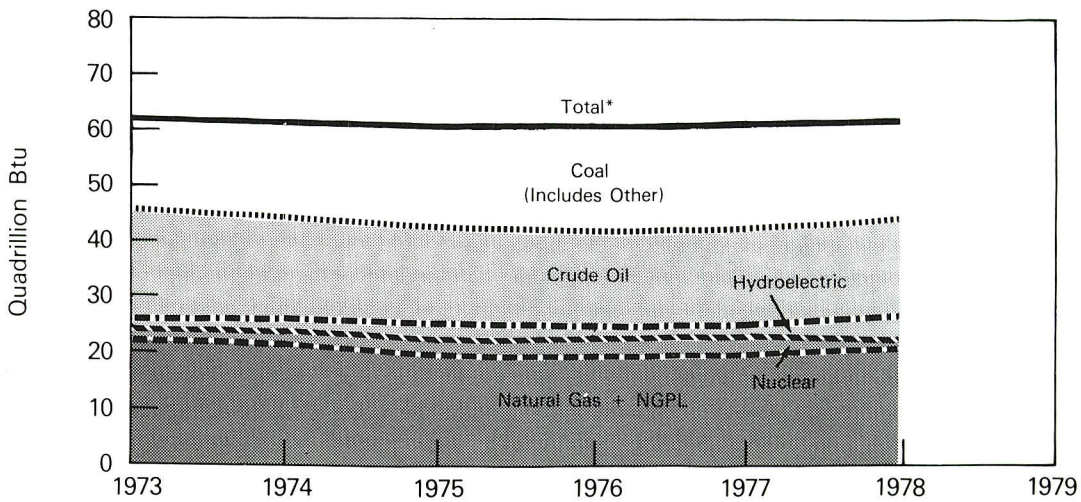
Executive Summary

Energy Production (Primary Energy Type)

Monthly



Yearly



*Btu equivalents for all fuels are cumulated to create total.

Executive Summary

Domestic Net Imports of Energy[1]

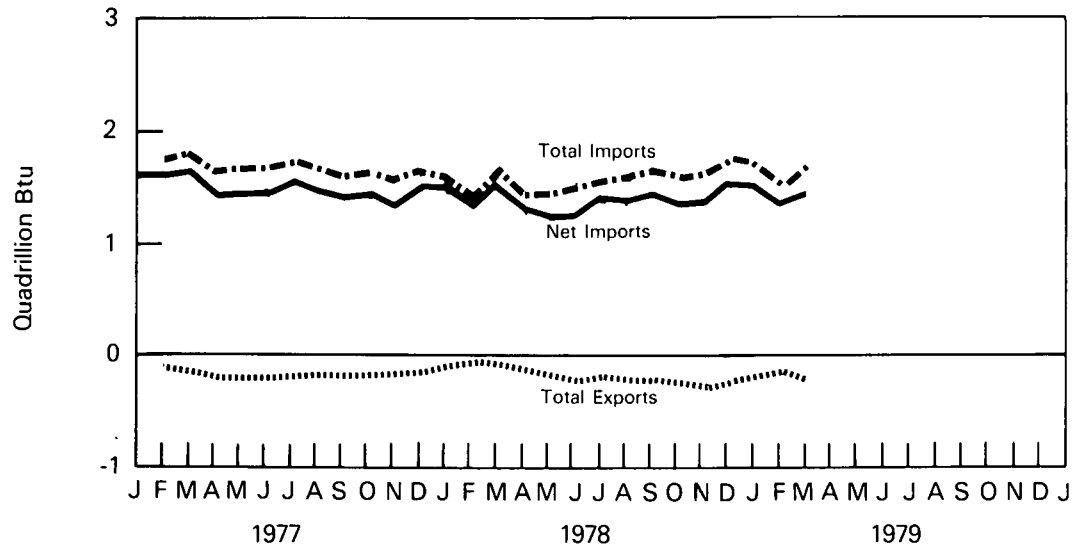
		Coal[2]	Crude Oil[3]	Refined Petroleum Products[4]	Natural Gas (Dry)	Electricity[5]	Coke[6]	Net Imports
				Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**(1.443)**	**6.883**	**6.097**	**0.981**	**0.148**	**(0.008)**	**12.659**
1974	**TOTAL**	**(1.585)**	**7.389**	**5.273**	**0.907**	**0.133**	**0.059**	**12.175**
1975	**TOTAL**	**(1.766)**	**8.709**	**3.799**	**0.904**	**0.064**	**0.014**	**11.725**
1976	**TOTAL**	**(1.590)**	**11.222**	**3.982**	**0.922**	**0.089**	**0.000**	**14.626**
1977	January	(0.056)	1.129	0.448	0.084	0.015	(0.002)	1.619
	February	(0.082)	1.074	0.524	0.090	0.014	0.000	1.619
	March	(0.092)	1.201	0.460	0.100	0.015	(0.002)	1.682
	April	(0.148)	1.186	0.301	0.083	0.015	(0.002)	1.435
	May	(0.153)	1.212	0.285	0.085	0.015	0.000	1.445
	June	(0.161)	1.230	0.294	0.073	0.015	0.000	1.451
	July	(0.138)	1.263	0.335	0.068	0.015	0.002	1.545
	August	(0.114)	1.145	0.364	0.073	0.015	0.001	1.485
	September	(0.134)	1.105	0.343	0.072	0.015	0.007	1.408
	October	(0.126)	1.156	0.311	0.082	0.015	0.004	1.442
	November	R(0.119)	1.094	0.288	0.083	0.015	0.001	R1.362
	December	(0.100)	1.127	0.366	0.087	0.015	0.006	1.501
	TOTAL	**R(1.424)**	**13.921**	**4.320**	**0.981**	**0.182**	**0.015**	**R17.995**
1978	January	(0.021)	1.079	0.350	0.084	*0.015*	0.001	1.509
	February	(0.012)	0.919	0.354	0.075	*0.014*	0.001	1.351
	March	(0.004)	1.090	0.388	0.084	*0.015*	0.005	1.579
	April	(0.060)	0.932	0.330	0.077	*0.015*	0.012	1.306
	May	(0.113)	0.984	0.289	0.074	*0.015*	0.025	1.274
	June	(0.139)	1.077	0.252	0.064	*0.015*	0.009	1.278
	July	(0.089)	1.090	0.322	0.066	*0.015*	0.015	1.420
	August	(0.092)	1.104	0.298	0.071	*0.015*	0.013	1.409
	September	(0.088)	1.167	0.312	0.072	*0.015*	0.012	1.489
	October	(0.127)	1.121	0.280	0.080	*0.015*	0.015	1.384
	November	(0.160)	1.113	0.327	0.086	*0.015*	0.013	1.393
	December	(0.118)	R1.208	R0.372	0.102	*0.015*	0.009	R1.588
	TOTAL	**(1.023)**	**R12.883**	**R3.873**	**0.934**	***0.182***	**0.131**	**R16.979**
1979	January	(0.093)	R1.142	R0.350	0.098	*0.015*	0.004	R1.516
	February	R(0.067)	R0.996	R0.300	R0.092	*0.014*	0.003	R1.338
	March	(0.122)	1.072	0.378	0.120	*0.015*	0.002	1.466
	TOTAL (Year to date)	**(0.282)**	**3.210**	**1.028**	**0.310**	***0.045***	**0.009**	**4.320**

[1]Net imports=imports minus exports. Parentheses indicate exports are greater than imports.
[2]Includes bituminous coal, lignite, and anthracite coal.
[3]Includes crude oil, lease condensate, and imports of crude oil for the Strategic Petroleum Reserve.
[4]Includes refined petroleum products, unfinished oils, natural gasoline, and plant condensate.
[5]Only yearly totals are available for electricity imports. Figures shown are estimates derived by dividing the yearly total by the number of days in the year and multiplying by the number of days in the month.
[6]Imports of coke made from coal.
Estimated data in italics. These are likely to be revised in the next months.
R=Revised.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration calculations based on data reported elsewhere in this publication.

Executive Summary

Energy Imports and Exports

Monthly



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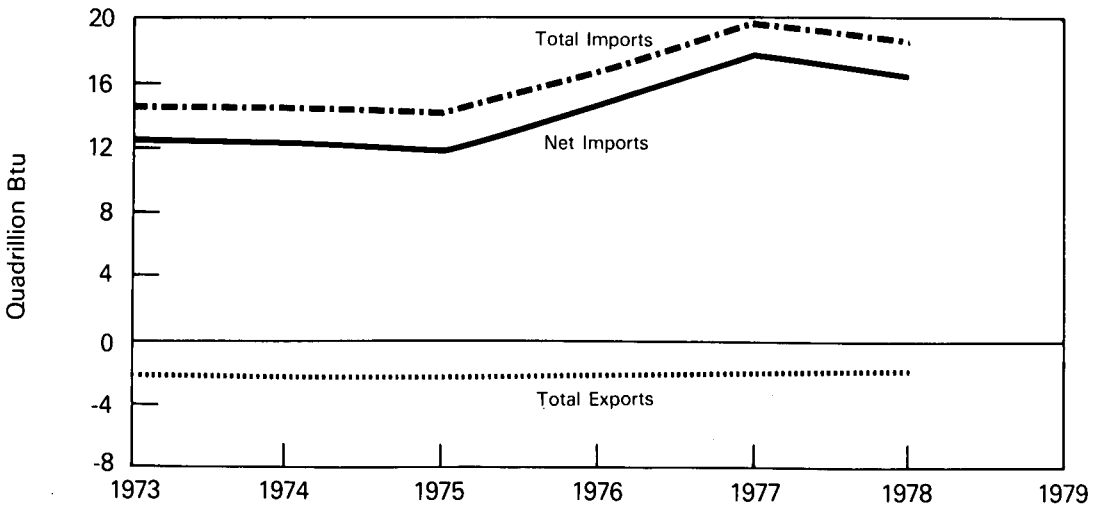


Executive Summary

Domestic Merchandise Trade Value

		Exports				Imports			
		Energy	Manufactured Products	Agricultural, Chemical, and Other	Total	Energy	Manufactured Products	Agricultural, Chemical, and Other	Total
		Million dollars							
1973	**TOTAL**	**1,671**	**38,954**	**29,598**	**70,223**	**8,101**	**42,352**	**18,668**	**69,121**
1974	**TOTAL**	**3,444**	**54,704**	**38,996**	**97,144**	**25,454**	**51,205**	**23,592**	**100,251**
1975	**TOTAL**	**4,470**	**62,260**	**39,372**	**106,102**	**26,476**	**47,384**	**22,256**	**96,116**
1976	**TOTAL**	**4,226**	**67,282**	**41,811**	**113,319**	**33,997**	**60,005**	**26,676**	**120,678**
1977	January	218	5,191	3,570	8,979	3,521	4,868	2,255	10,644
	February	268	5,330	3,744	9,342	3,857	5,261	2,475	11,593
	March	292	6,491	4,079	10,862	4,775	5,681	2,686	13,142
	April	398	5,998	3,940	10,336	3,512	5,609	2,814	11,935
	May	432	6,249	4,102	10,783	2,793	5,789	2,676	11,258
	June	398	5,935	3,735	10,068	4,306	6,687	3,053	14,046
	July	398	5,337	3,846	9,581	3,911	6,041	2,479	12,431
	August	334	5,105	3,370	8,809	3,651	5,856	2,538	12,045
	September	402	6,021	3,734	10,157	3,721	6,142	2,589	12,452
	October	367	5,571	3,426	9,364	3,635	6,512	2,350	12,497
	November	362	5,583	3,578	9,523	3,703	6,072	2,495	12,270
	December	315	6,488	4,398	11,201	3,153	7,066	3,153	13,372
	TOTAL	**4,184**	**69,299**	**45,522**	**119,005**	**44,538**	**71,584**	**31,563**	**147,685**
1978	January	189	5,348	3,680	9,217	3,422	6,604	2,692	12,718
	February	141	5,480	3,721	9,342	3,502	7,062	2,722	13,286
	March	165	7,091	4,580	11,836	3,431	7,896	3,220	14,547
	April	285	6,942	4,633	11,860	3,514	7,908	3,064	14,486
	May	364	7,141	4,745	12,250	3,234	7,840	3,125	14,199
	June	424	7,025	4,823	12,272	3,472	8,085	2,958	14,515
	July	322	6,204	4,254	10,780	3,380	8,309	3,015	14,704
	August	335	6,480	4,614	11,429	3,677	7,554	2,793	14,024
	September	348	7,166	4,992	12,506	3,699	7,799	2,919	14,417
	October	422	7,661	4,843	12,926	3,492	8,466	3,160	15,118
	November	466	7,568	5,400	13,434	3,536	8,412	3,107	15,055
	December	418	7,823	5,063	13,304	3,746	7,990	3,220	14,956
	TOTAL	**3,879**	**81,929**	**55,348**	**141,156**	**42,105**	**93,925**	**35,995**	**172,025**
1979	January	350	7,035	4,965	12,350	4,228	8,391	3,227	15,846
	February	292	7,446	4,966	12,704	3,525	7,480	2,771	13,776
	March	436	8,842	6,020	15,298	3,948	8,432	3,385	15,765
	April	467	8,038	5,506	14,011	4,241	8,550	3,381	16,172
	TOTAL (Year to date)	**1,545**	**31,361**	**21,457**	**54,363**	**15,942**	**32,853**	**12,764**	**61,559**

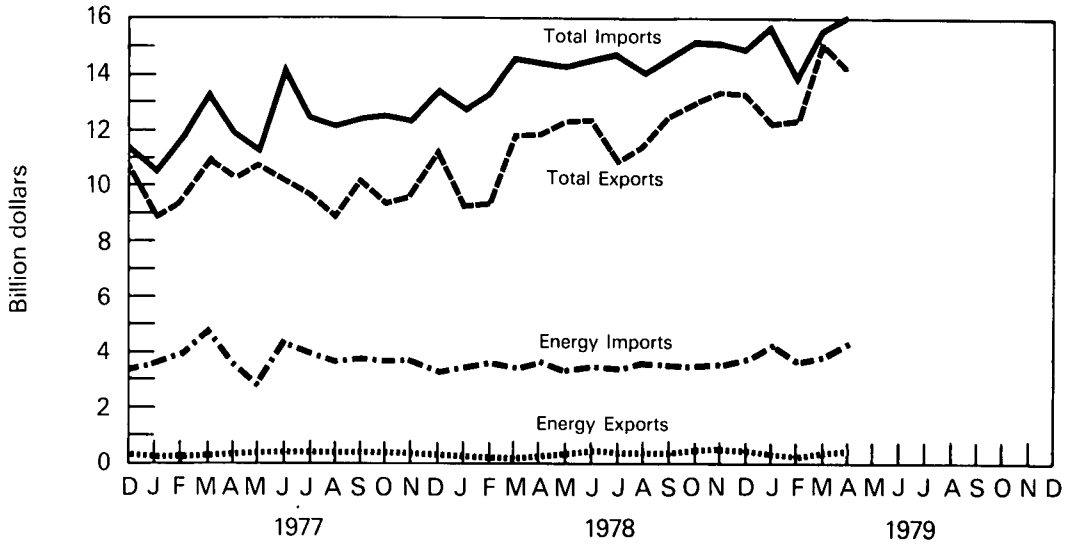
Source: U.S. Department of Commerce, Bureau of the Census (BOC) publication FT 900, *Summary of U.S. Export and Import Merchandise Trade*.

Note: Data presented is free alongside ship (f.a.s.) basis and is unadjusted for seasonality and working days. Beginning January 1979, the data excludes U.S. Department of Defense Military Assistance Program Grant-Aid shipments. Commodity categories shown above include groups of BOC sections as follows: Energy—BOC section 3. (Mineral fuels, lubricants, and related materials). Manufactured products—BOC sections 6. (Manufactured goods classified chiefly by material), 7. (Machinery and transport equipment), and 8. (Miscellaneous manufactured articles, not elsewhere classified). Agricultural, chemical, and other—BOC sections 0. (Food and live animals), 1. (Beverages and tobacco), 2. (Crude material inedible, except fuels), 4. (Animal and vegetable fats and oils), 5. (Chemicals), and 9. (Commodities and transactions not classified according to kind).

Executive Summary

Merchandise Trade Value

Monthly



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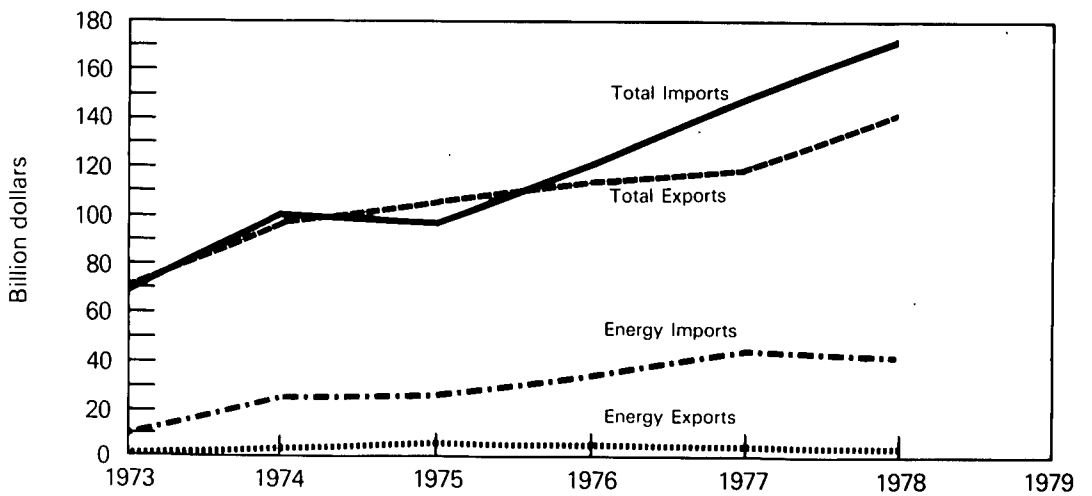


Executive Summary

Domestic Energy Consumption by Primary Energy Type

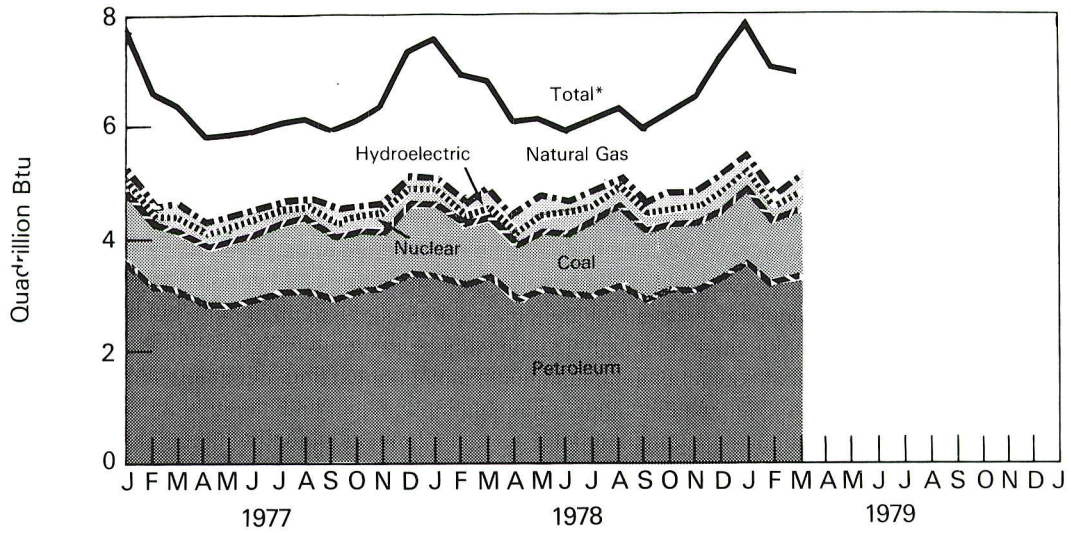
		Coal[1]	Natural Gas (dry)	Petro-leum	Hydro-electric Power[2]	Nuclear Electric Power	Net Coke Imports[3]	Other[4]	Total	Yearly Cumulative Total
					Quadrillion (10^{15}) Btu					
1973	**TOTAL**	**13.300**	**22.512**	**34.837**	**3.008**	**0.910**	**(0.008)**	**0.046**	**74.605**	
1974	**TOTAL**	**12.876**	**21.732**	**33.454**	**3.307**	**1.272**	**0.059**	**0.056**	**72.756**	
1975	**TOTAL**	**12.823**	**19.948**	**32.732**	**3.217**	**1.900**	**0.014**	**0.072**	**70.706**	
1976	January	1.214	2.337	3.182	0.281	0.178	(0.001)	0.007	7.198	7.198
	February	1.075	1.977	2.795	0.265	0.159	(0.001)	0.007	6.276	13.473
	March	1.115	1.755	2.952	0.286	0.155	(0.002)	0.007	6.269	19.743
	April	1.066	1.538	2.753	0.261	0.121	(0.002)	0.007	5.743	25.486
	May	1.072	1.463	2.726	0.275	0.132	(0.003)	0.006	5.671	31.157
	June	1.111	1.362	2.778	0.276	0.174	(0.002)	0.007	5.705	36.863
	July	1.184	1.399	2.834	0.280	0.196	(0.000)	0.007	5.900	42.763
	August	1.193	1.343	2.840	0.257	0.203	0.001	0.007	5.845	48.608
	September	1.094	1.328	2.780	0.221	0.191	0.001	0.007	5.621	54.229
	October	1.132	1.653	2.916	0.228	0.192	0.006	0.007	6.134	60.363
	November	1.189	1.912	3.112	0.216	0.178	0.001	0.006	6.615	66.978
	December	1.288	2.277	3.508	0.220	0.233	0.002	0.007	7.535	74.513
	TOTAL	**13.733**	**20.345**	**35.178**	**3.065**	**2.111**	**0.000**	**0.081**	**74.513**	
1977	January	1.283	2.458	3.513	0.234	0.239	(0.002)	0.007	7.732	7.732
	February	1.137	1.854	3.169	0.176	0.211	0.000	0.006	6.554	14.285
	March	1.144	1.751	3.105	0.225	0.223	(0.002)	0.007	6.452	20.738
	April	1.055	1.469	2.914	0.213	0.214	(0.002)	0.006	5.870	26.608
	May	1.118	1.408	2.907	0.213	0.222	0.000	0.007	5.876	32.484
	June	1.178	1.361	2.991	0.198	0.232	0.000	0.007	5.967	38.451
	July	1.274	1.353	3.010	0.193	0.235	0.002	0.007	6.073	44.524
	August	1.248	1.393	3.086	0.192	0.245	0.001	0.006	6.171	50.695
	September	1.151	1.457	2.937	0.189	0.211	0.007	0.007	5.960	56.655
	October	1.143	1.550	3.053	0.198	0.205	0.004	0.007	6.160	62.815
	November	1.155	1.725	3.057	0.231	0.210	0.001	0.007	6.386	69.201
	December	1.222	2.152	3.435	0.256	0.256	0.006	0.007	7.334	76.535
	TOTAL	**14.110**	**19.931**	**37.176**	**2.519**	**2.702**	**0.015**	**0.082**	**76.535**	
1978	January	1.236	2.435	3.373	0.280	0.278	0.001	0.007	7.611	7.611
	February	R1.048	2.160	3.230	0.252	0.235	0.001	0.006	6.932	14.543
	March	0.998	1.929	3.362	R0.276	0.242	0.005	0.005	6.817	21.359
	April	1.037	1.545	2.937	0.282	0.189	0.012	0.004	6.006	R27.366
	May	1.110	1.381	3.106	0.318	0.220	0.025	0.004	6.165	R33.531
	June	1.184	1.248	3.029	R0.280	0.239	0.009	0.005	R5.994	39.525
	July	1.261	1.335	3.020	0.273	0.269	0.015	0.005	6.179	45.704
	August	1.302	1.280	3.188	0.249	0.276	0.013	0.006	6.315	R52.019
	September	1.228	1.248	2.973	0.239	0.239	0.012	0.007	5.944	R57.963
	October	1.191	1.459	3.153	0.222	0.248	0.015	0.005	6.293	64.256
	November	1.188	1.678	3.179	0.226	0.268	0.013	0.006	R6.557	R70.813
	December	1.288	2.099	R3.412	0.248	0.274	0.009	0.007	R7.338	R78.151
	TOTAL	**R14.070**	**19.797**	**R37.964**	**R3.145**	**2.977**	**0.131**	**0.068**	**R78.151**	
1979	January	R1.360	R2.427	3.585	0.280	0.299	0.004	0.007	R7.962	R7.962
	February	R1.214	2.185	3.100	R0.240	0.279	0.003	0.006	R7.027	R14.989
	March	1.229	1.868	3.268	0.290	0.262	0.002	0.008	6.927	21.916
	TOTAL (Year to date)	**3.803**	**6.480**	**9.953**	**0.810**	**0.840**	**0.009**	**0.020**	**21.916**	

[1] Includes bituminous coal, lignite, and anthracite coal.
[2] Includes industrial and utility production, and net imports of electricity.
[3] Coke made from coal. Parentheses indicate exports are greater than imports.
[4] Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration calculations based on data reported elsewhere in this publication.

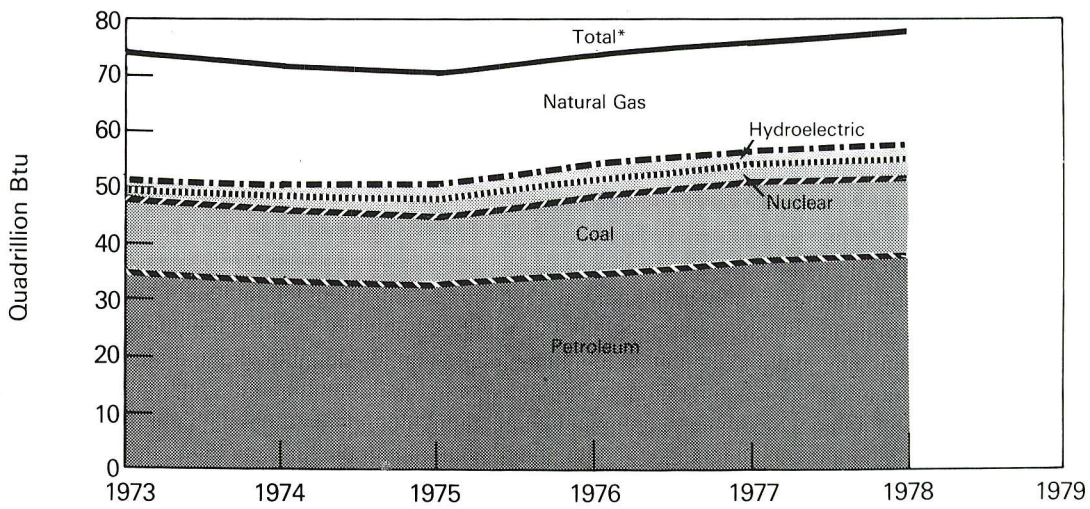
Executive Summary

Energy Consumption (Primary Energy Type)

Monthly



Yearly



*Btu equivalents for all fuels are cumulated to create total.

Executive Summary

Domestic Energy Consumption by Economic Sector[1]

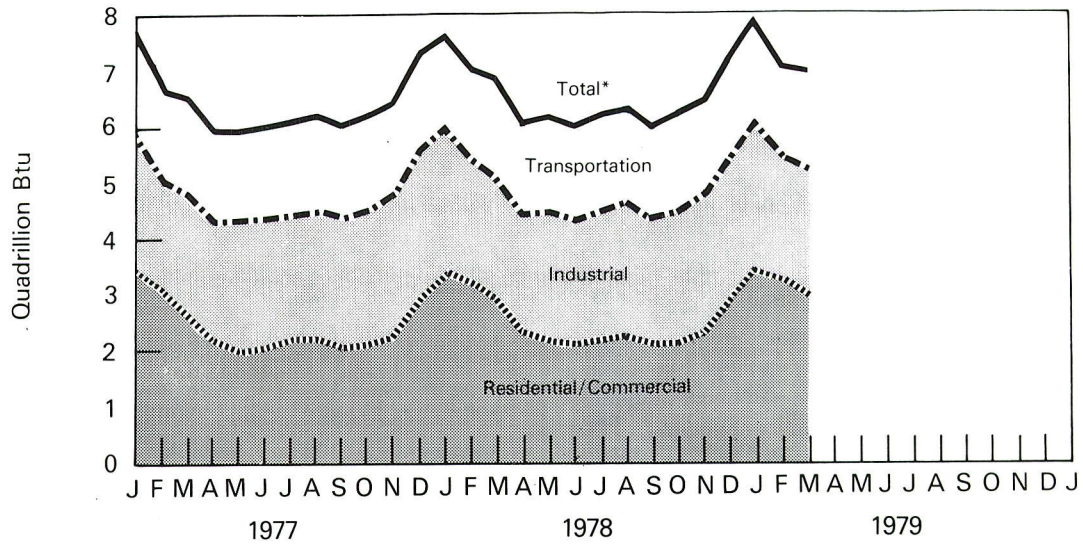
		Residential/ Commercial	Industrial	Transportation	Total
			Quadrillion (10^{15}) Btu		
1973	**TOTAL**	**25.754**	**29.924**	**18.927**	**74.605**
1974	**TOTAL**	**25.755**	**28.587**	**18.414**	**72.756**
1975	**TOTAL**	**25.981**	**26.207**	**18.518**	**70.706**
1976	January	3.139	2.413	1.646	7.198
	February	2.704	2.095	1.477	6.276
	March	2.444	2.187	1.639	6.269
	April	2.096	2.058	1.590	5.743
	May	1.925	2.185	1.561	5.671
	June	1.869	2.229	1.607	5.705
	July	1.978	2.278	1.644	5.900
	August	1.985	2.261	1.599	5.845
	September	1.844	2.210	1.567	5.621
	October	1.958	2.567	1.609	6.134
	November	2.382	2.578	1.655	6.615
	December	3.019	2.701	1.814	7.535
	TOTAL	**27.344**	**27.761**	**19.408**	**74.513**
1977	January	3.431	2.555	1.746	7.732
	February	2.978	1.973	1.603	6.554
	March	2.517	2.266	1.670	6.452
	April	2.114	2.120	1.636	5.870
	May	1.943	2.316	1.617	5.876
	June	1.990	2.318	1.659	5.967
	July	2.135	2.261	1.678	6.073
	August	2.135	2.337	1.699	6.171
	September	1.979	2.358	1.623	5.960
	October	2.029	2.471	1.660	6.160
	November	2.228	2.504	1.654	6.386
	December	2.882	2.628	1.823	7.334
	TOTAL	**28.361**	**28.106**	**20.068**	**76.535**
1978	January	3.282	2.612	1.717	7.611
	February	R3.136	R2.163	1.633	6.932
	March	2.860	2.162	1.795	6.817
	April	2.246	2.132	1.628	6.006
	May	2.119	2.298	1.748	6.165
	June	2.043	R2.238	R1.713	R5.994
	July	R2.174	R2.313	1.692	6.179
	August	R2.188	2.348	1.780	6.315
	September	2.047	R2.267	1.630	5.944
	October	R2.066	2.504	1.723	6.293
	November	2.304	2.526	1.728	R6.557
	December	R2.884	R2.635	1.819	R7.338
	TOTAL	**R29.347**	**R28.197**	**20.606**	**R78.151**
1979	January	R3.442	R2.654	R1.866	R7.962
	February	R3.230	R2.179	1.619	R7.027
	March	2.891	2.299	1.738	6.927
	TOTAL (Year to date)	**9.562**	**7.131**	**5.223**	**21.916**

[1]See Explanatory Note 5 for definitions of the Residential/Commercial, Industrial, and Transportation sectors. The methodology used for sector calculations is provided in the footnotes on page 20.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: See footnotes on page 20.

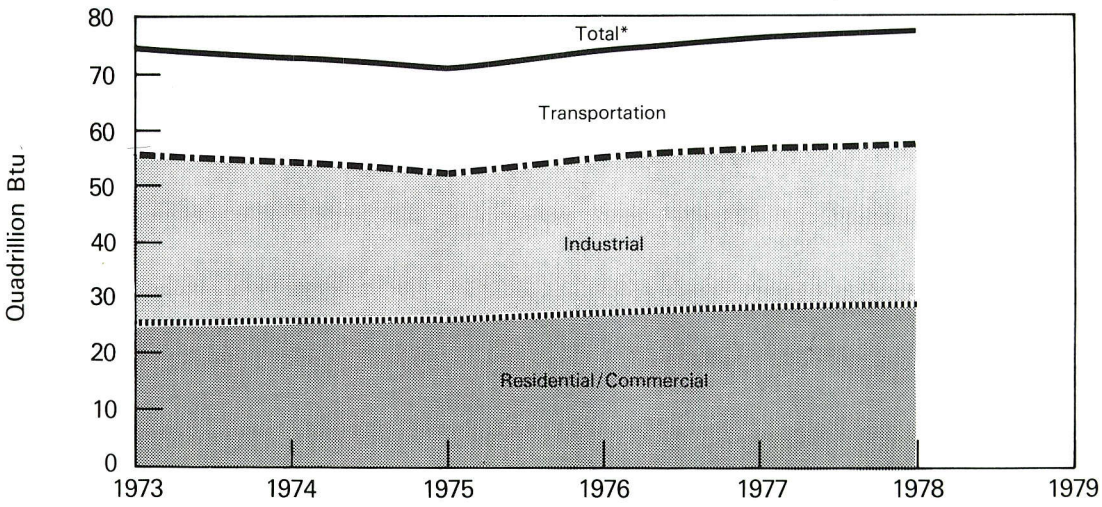
Executive Summary

Energy Consumption (Economic Sector)

Monthly



Yearly



*Btu consumption for all sectors is cumulated to create total.

Executive Summary

Energy Indicators—

		Energy Consumption per GNP Dollar				U.S. Dependence on Petroleum Imports (Million barrels per day)			
				Gross National Product (Trillion dollars)		Direct Imports			
		Energy Consumption per GNP Dollar[1] (Quadrillion Btu)	Energy Consumption	Current Dollars	1972 Dollars[2]	From Arab/OPEC Countries	From OPEC Countries	Total All Countries	Domestic Petroleum Products Demand
1973	**AVERAGE**	**60.4**	**74.61**	**1.307**	**1.235**	**R0.91**	**2.99**	**6.26**	**17.31**
1974	**AVERAGE**	**R59.9**	**R72.76**	**1.413**	**1.214**	**0.75**	**3.28**	**R6.13**	**16.65**
1975	**AVERAGE**	**59.3**	**70.71**	**1.516**	**1.192**	**R1.38**	**3.60**	**R6.04**	**16.32**
1976	**AVERAGE**	**R58.6**	**R74.51**	**1.700**	**1.271**	**2.42**	**5.07**	**R7.30**	**17.46**
1977	1st Qtr	63.5	R20.74	1.807	1.307	3.05	6.38	R9.42	19.68
	2nd Qtr	R53.4	R17.71	1.867	1.326	3.40	6.42	R8.75	17.53
	3rd Qtr	54.2	R18.20	1.917	1.344	3.19	6.20	8.75	17.77
	4th Qtr	58.7	R19.88	1.958	1.355	3.09	5.78	8.34	18.77
	AVERAGE	**57.4**	**R76.54**	**1.887**	**1.333**	**3.18**	**6.19**	**R8.82**	**18.43**
1978	1st Qtr	63.1	21.36	1.992	1.354	2.87	5.64	8.20	20.04
	2nd Qtr	52.6	18.17	2.088	1.383	2.71	5.18	7.63	18.04
	3rd Qtr	53.0	18.44	2.136	1.391	2.94	5.70	R8.41	18.06
	4th Qtr	R57.2	R20.19	2.212	1.413	R3.16	R6.02	R8.67	R19.17
	AVERAGE	**R56.4**	**R78.15**	**2.107**	**1.385**	**R2.92**	**R5.64**	**R8.23**	**R18.82**
1979	1st Qtr	61.9	21.92	2.265	1.416	3.18	5.69	8.51	20.01

[1]Thousand Btu per 1972 constant dollar.
[2]Current dollars converted to 1972 constant dollars by the formula:

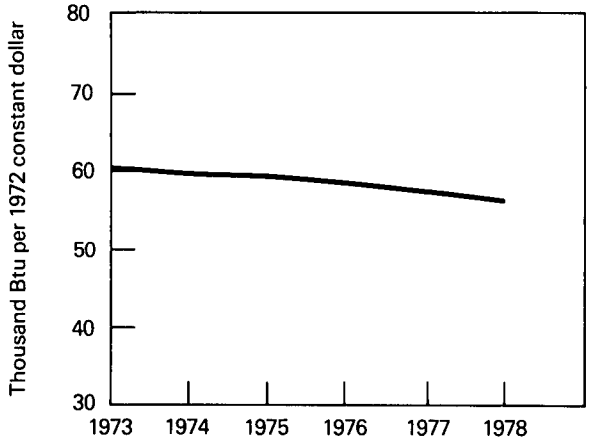
$$\text{Constant 1972 dollars} = \frac{\text{Current dollars in year N}}{\text{Gross National Product implicit price deflator in year N}} \times 100$$

The Gross National Product deflators (1972=100) were determined by the Department of Commerce, Bureau of Economic Analysis.

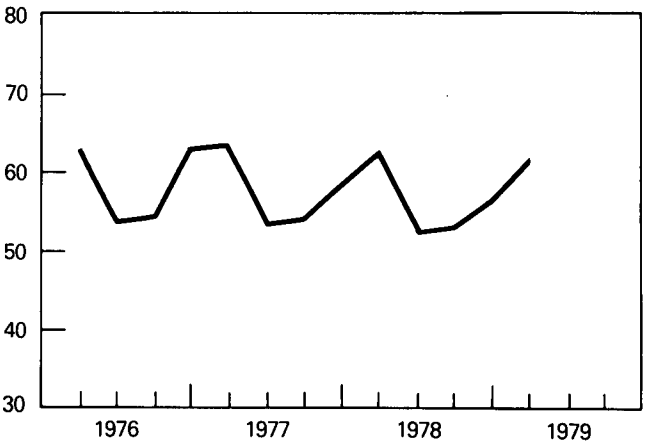
Executive Summary

Energy Consumption per GNP Dollar

Yearly

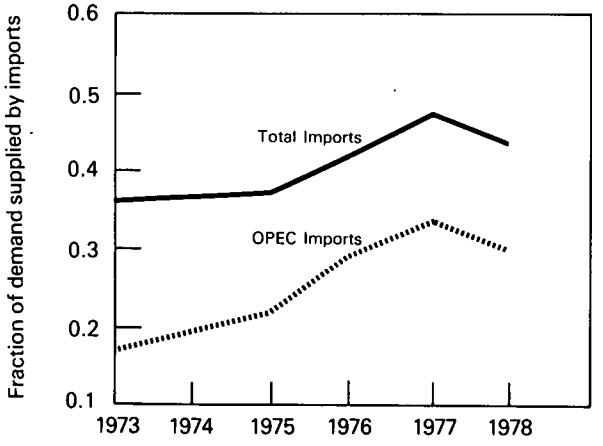


Quarterly

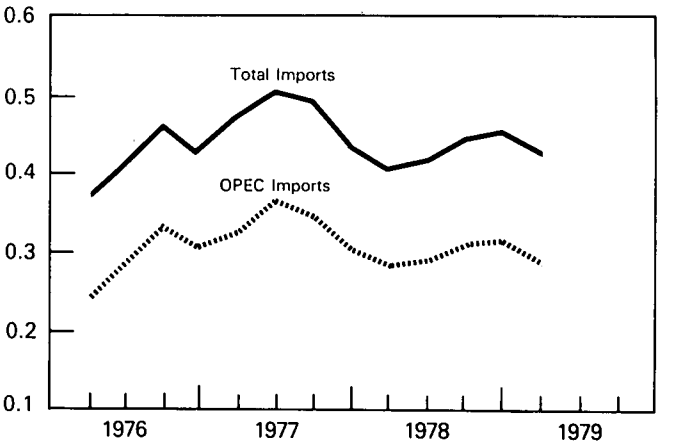


U.S. Dependence on Petroleum Imports

Yearly



Quarterly

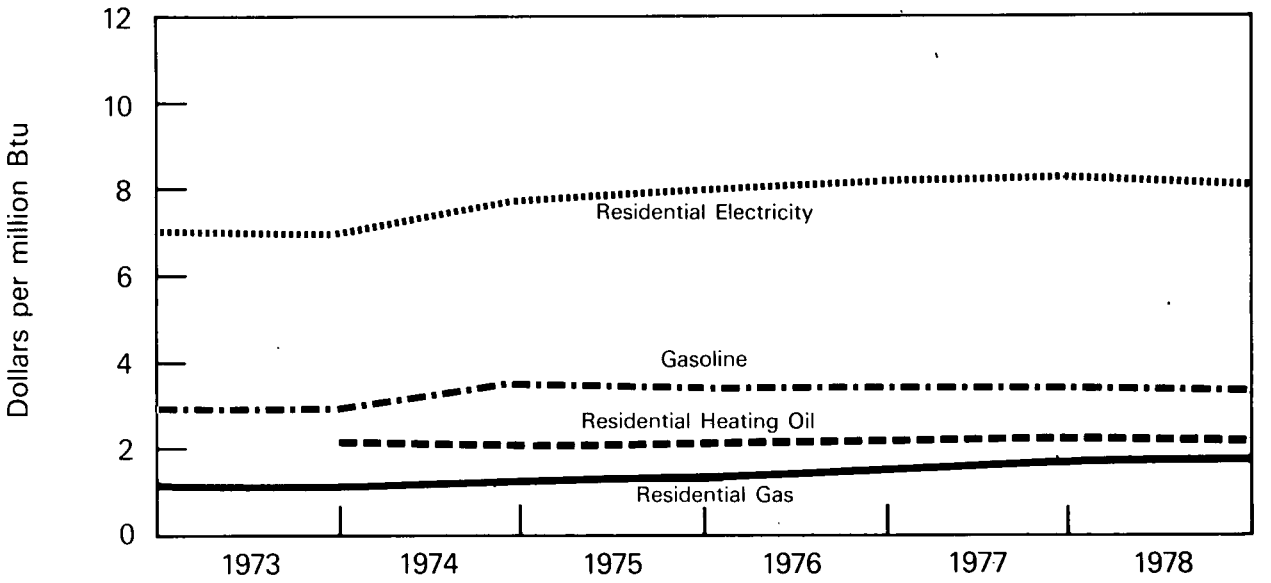


Executive Summary

Energy Indicator—Cost of Fuels to End Users (1972 Dollars)

		Leaded Regular Motor Gasoline		Residential Heating Oil		Residential Natural Gas		Residential Electricity	
		cent/gal	$/MMBtu	cent/gal	$/MMBtu	cent/Mcf	$/MMBtu	cent/kWh	$/MMBtu
1973	**AVERAGE**	**36.5**	**2.92**	**NA**	**NA**	**121.2**	**1.24**	**2.39**	**7.00**
1974	**AVERAGE**	**44.8**	**3.59**	**29.4**	**2.12**	**123.4**	**1.23**	**2.63**	**7.71**
1975	**AVERAGE**	**43.7**	**3.50**	**29.3**	**2.11**	**132.8**	**1.33**	**2.73**	**7.99**
1976	**AVERAGE**	**43.1**	**3.46**	**30.2**	**2.18**	**145.4**	**1.49**	**2.77**	**8.11**
1977	**AVERAGE**	**43.2**	**3.46**	**31.2**	**2.30**	**162.2**	**1.66**	**2.81**	**8.23**
1978	1st Qtr	41.0	3.28	32.3	2.33	155.0	1.58	2.65	7.76
	2nd Qtr	40.6	3.25	31.4	2.26	169.7	1.73	2.88	8.44
	3rd Qtr	41.3	3.31	30.7	2.21	196.3	2.00	2.85	8.35
	4th Qtr	41.3	3.31	32.1	2.31	164.5	1.68	2.70	7.91
	AVERAGE†	**41.0**	**3.28**	**31.7**	**2.29**	**163.5**	**1.67**	**2.76**	**8.10**

Cost of Fuels to End Users (1972 dollars)



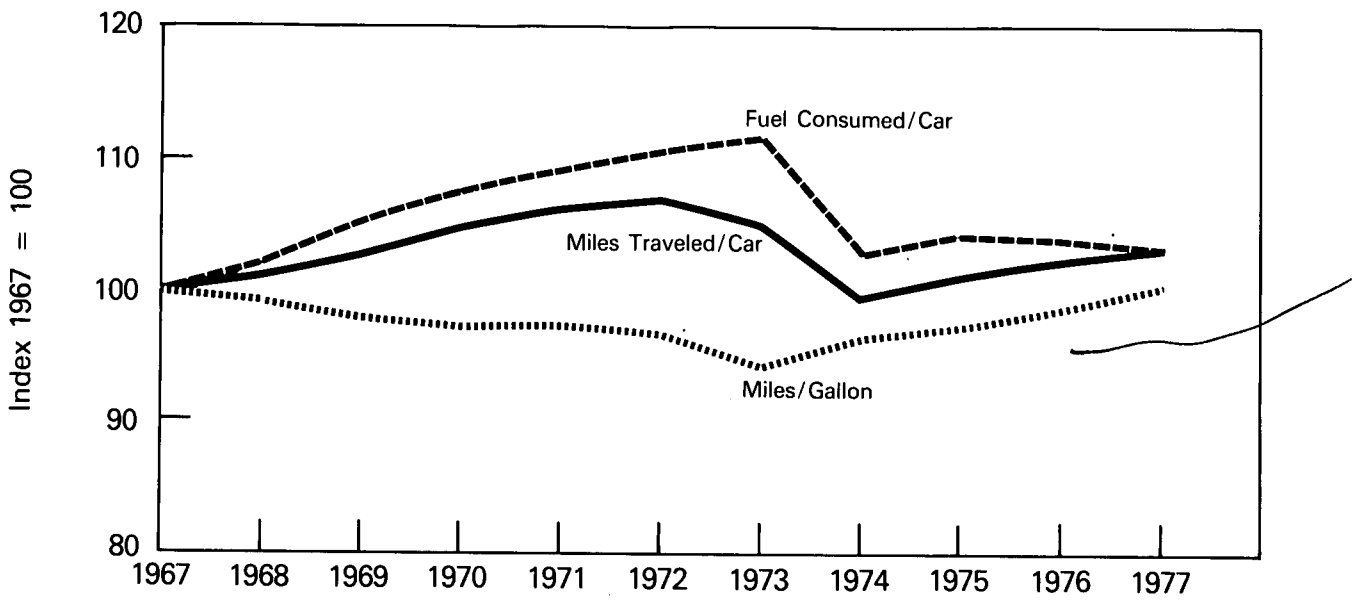
†Preliminary data.
Sources: Motor Gasoline—Lundberg Survey Inc. through 1977 and U.S. Department of Energy Form EIA-8 and EIA-9, "Retail Motor Fuels Service Station Survey" for 1978.
Heating Oil—1974 and 1975, FORM CLC-92, "No. 2 Heating Oil Monthly Price Adjustment Report," and 1976 forward, FEA Form P112-M-1, "No. 2 Heating Oil Supply/Price Monitoring Report."
Natural Gas—1973 through 1977, Bureau of Mines and Energy Information Administration Form 1340-A, "Supply and Disposition of Natural Gas to Non-Producing Distributors;" and Form 1341-A, "Supply and Disposition of Natural Gas to Producers and Pipelines;" and 1978, the American Gas Association, "Quarterly Report of Gas Industry Operations."
Electricity—FPC Form 5, "Reports of Classes A and B Privately Owned Electric Utilities."
Deflator—The Consumer Price Index.

Executive Summary

Energy Indicator—U.S. Passenger Car Efficiency

	Average Fuel Consumed per Car		Average Miles Traveled per Car		Average Miles Traveled per Gallon of Fuel Consumed	
	Gallons	Index	Miles	Index	Miles	Index
1967	**684**	**100.0**	**9,531**	**100.0**	**13.93**	**100.0**
1968	**698**	**102.0**	**9,627**	**101.0**	**13.79**	**99.0**
1969	**718**	**105.0**	**9,782**	**102.6**	**13.63**	**97.8**
1970	**735**	**107.5**	**9,978**	**104.7**	**13.57**	**97.4**
1971	**746**	**109.1**	**10,121**	**106.2**	**13.57**	**97.4**
1972	**755**	**110.4**	**10,184**	**106.9**	**13.49**	**96.8**
1973	**763**	**111.5**	**9,992**	**104.8**	**13.10**	**94.0**
1974	**704**	**102.9**	**9,448**	**99.1**	**13.43**	**96.4**
1975	**712**	**104.1**	**9,634**	**101.1**	**13.53**	**97.1**
1976	**711**	**103.9**	**9,763**	**102.4**	**13.72**	**98.5**
1977	**706**	**103.2**	**9,839**	**103.2**	**13.94**	**100.1**

U.S. Passenger Car Efficiency



Source: U.S. Department of Transportation, Federal Highway Administration, Federal Highway Statistics Division, "Highway Statistics", Table VM-1.

Energy Consumption

Domestic energy consumption in March 1979 was 6.9 quadrillion Btu, 1.6 percent higher than the March 1978 consumption, and 7.4 percent higher than the March 1977 consumption.

The residential and commercial sector consumed 2.9 quadrillion Btu in March 1979, up 1.1 percent from consumption in March 1978. The residential and commercial sector consumed 41.7 percent of the March 1979 total, down slightly from the sector's 42.0 percent share in March 1978, but up from the sector's 39.0 percent share of March 1977.

The industrial sector consumed 2.3 quadrillion Btu in March 1979, up by 6.3 percent from consumption in March 1978. The industrial sector consumed 33.2 percent of the March 1979 total, compared with a 31.7 percent share in March 1978, and a 35.1 percent share in March 1977.

The transportation sector consumed 1.7 quadrillion Btu in March 1979, down 3.2 percent from consumption in March 1978. The transportation sector consumed 25.1 percent of the March 1979 total, compared with a 26.3 percent share in March 1978 and a 25.9 percent share in March 1977.

The electric utilities consumed an estimated 2.0 quadrillion Btu of energy in March 1979, 4.1 percent more than in March 1978. Coal contributed 45.8 percent of the electric utilities' energy consumption in March 1979, while hydroelectric power contributed 14.6 percent, natural gas 13.8 percent, nuclear power 13.4 percent, petroleum 12.0 percent, and geothermal, wood and waste 0.4 percent. Of the total energy consumed by the electric utilities in March 1979, 60.2 percent was ultimately consumed by the residential and commercial sector (electricity distributed and losses), 39.6 percent by the industrial sector, and 0.2 percent by the transportation sector.

Consumption

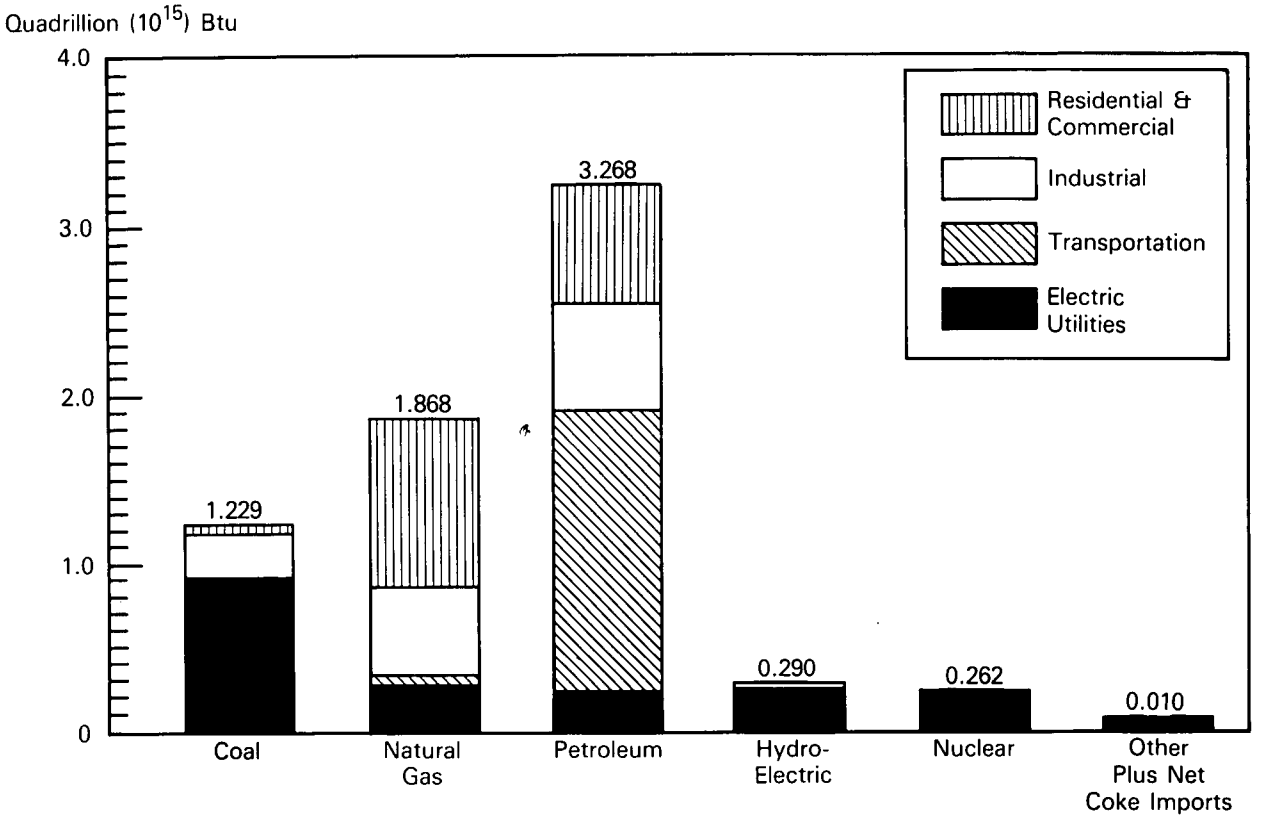
Energy Consumption Summary
March 1979 [Quadrillion (10^{15}) Btu]

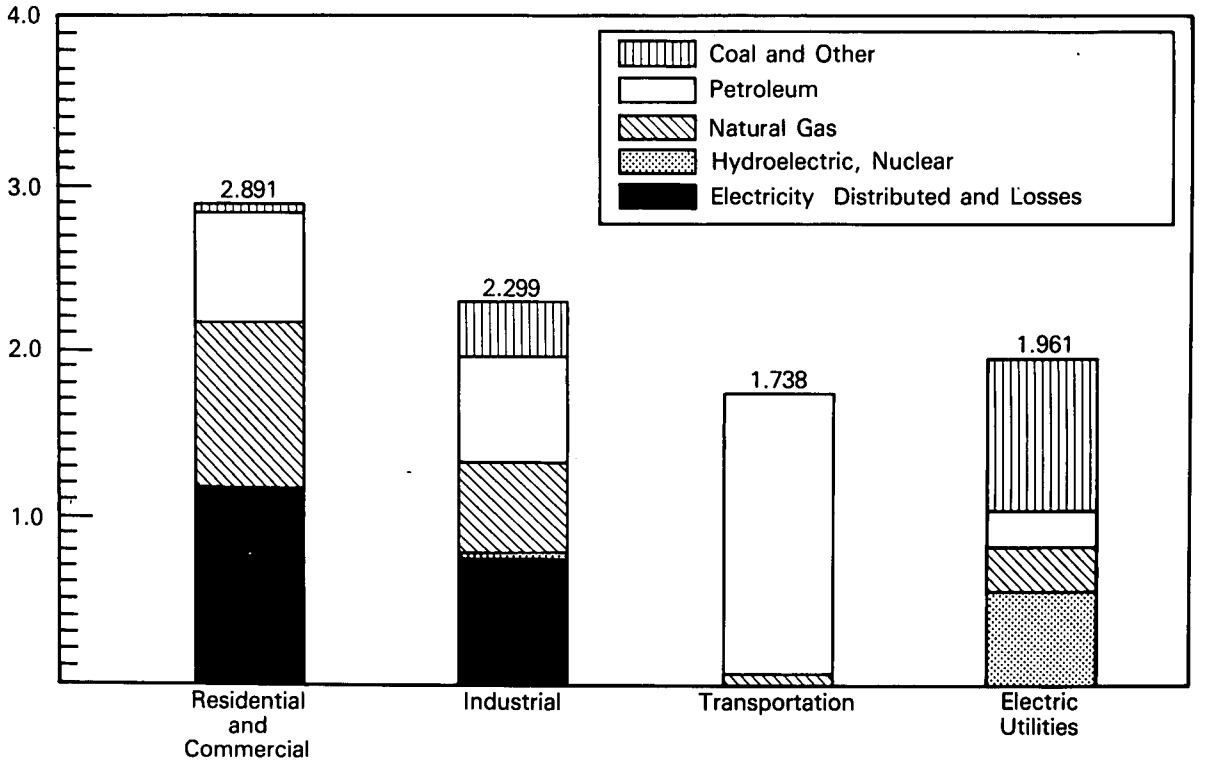
Primary Energy Source	Sector[1] Residential and Commercial	Industrial	Transportation	Electric Utilities	TOTAL
Coal[2]	0.022	0.308	0.000	0.899	1.229
Natural Gas (dry)[3]	0.993	0.553	0.052	0.270	1.868
Petroleum[4]	0.696	0.656	1.681	0.235	3.268
Hydroelectric[5]	0.000	0.003	0.000	0.287	0.290
Nuclear[6]	0.000	0.000	0.000	0.262	0.262
Net Coke Imports[7]	0.000	0.002	0.000	0.000	0.002
Other[8]	0.000	0.000	0.000	0.008	0.008
TOTAL PRIMARY ENERGY	**1.710**	**1.523**	**1.733**	**1.961**	**6.927**
Electricity Distributed[9]	0.356	0.234	0.001	(0.591)	
Net Energy Consumption	2.066	1.757	1.735		5.557
Electrical Energy Loss Distributed[10]	0.825	0.542	0.003	(1.371)	1.371
TOTAL ENERGY	**2.891**	**2.299**	**1.738**		**6.927**

[1]See Explanatory Note 5 for definitions of the Residential and Commercial, Industrial, Transportation, and Electric Utilities Sectors.
Footnotes 2 through 10 apply to the table above and provide explanations and sources for the three individual sector tables following in this publication:
[2]Anthracite coal, bituminous coal, and lignite. Sources: anthracite—1973 through 1976, U.S. Department of the Interior (DOI), Bureau of Mines (BOM), *Minerals Yearbook,* "Coal—Pennsylvania Anthracite, Annual;" 1977 through 1979, U.S. Department of Energy (DOE), Energy Information Administration, (EIA) *Energy Data Report,* "Weekly Coal Report." Bituminous coal and lignite—1973 through 1975, U.S. DOI, BOM, *Minerals Yearbook,* "Bituminous Coal and Lignite, Annual," Federal Power Commission (FPC), Form 4, "Monthly Power Plant Report;" 1976 through 1979, DOE, EIA, *Energy Data Report,* "Weekly Coal Report." Electric Utility consumption of coal sources: same as footnote 6 below.
[3]Total natural gas consumption sources: 1973 through 1975, DOI, BOM, *Minerals Yearbook,* "Natural Gas" chapter; 1976 through 1979, DOE, *Energy Data Reports,* "Natural Gas Monthly Production and Consumption." Electric Utilities natural gas consumption sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report;" 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report." Natural gas consumption by the Transportation Sector is mostly for pipeline use. It is estimated to be the following percentages of non-utility gas consumption: 1973 3.76%, 1974 3.56%, 1975 3.25%, and 1976 through 1979 3.26%. Residential and Commercial Sector annual data souces are the same as for total natural gas consumption. American Gas Association (AGA) data are used to estimate monthly consumption of natural gas by the Residential and Commercial Sector. In completed years, the AGA consumption in each month is taken as a portion of the AGA year's total: that fraction is multiplied by the DOE total for that year to obtain a monthly estimate. For incomplete years, the AGA Residential and Commercial Sector's monthly consumption of natural gas is used directly. In 1973, 36 percent of the AGA's "other" sector is added to the Residential and Commercial Sector; in 1974 this percent is increased to 39 percent; and from 1975 all of the "other" sector is added to the Residential and Commercial Sector. The Industrial Sector consumption of natural gas is the difference between the total and the sum of the other sectors.
[4]Total petroleum consumption sources: 1973 through 1975, DOI, BOM, *Mineral Industry Surveys,* "Petroleum Statement, Annual;" 1976 and 1977, DOE, EIA, *Energy Data Reports,* "Petroleum Statement, Annual;" 1978 and 1979, DOE, EIA, *Energy Data Reports,* "Petroleum Statement, Monthly" and "Monthly Petroleum Statistics Report." Electric Utility consumption of petroleum sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report;" 1977 through 1979, DOE, FPC, Form 4, "Monthly Power Plant Report." Transportation Sector consumption of petroleum for 1973 through 1975 is derived from DOI, BOM, *Mineral Industry Surveys,* "Fuel Oil Sales, Annual" and "Liquefied Petroleum Gas Sales, Annual" and for 1976 through 1979 from DOE, *Energy Data Reports,* "Fuel Oil Sales, Annual" and "Liquefied Petroleum Gas Sales, Annual," and from the sources listed for total petroleum consumption. Petroleum products are allocated to the Transportation Sector as follows: motor gasoline 100% for all years; naphtha jet fuel 100% for all years; kerosene jet fuel 98.0% 1973, 98.2% 1974, 98.3% 1975, 98.3% 1976, and 97.6% 1977 and 1978; distillate fuel oil 32.8% 1973, 34.1% 1974, 34.1% 1975, 33.7% 1976, and 34.0% 1977 through 1979; residual fuel oil 11.3% 1973, 11.7% 1974, 12.9% 1975, 13.3% 1976, and 13.2% 1977 through 1979; all other petroleum products 4.6% 1973, 4.5% 1974, 4.2% 1975, 4.2% 1976, and 3.9% 1977 through 1979. The remainder is distributed to the Residential and Commercial Sector and the Industrial Sector by applying the following percentage shares by year: Residential and Commercial Sector—1973 45.59%, 1974 48.49%, 1975 49.62%, 1976 49.75%, and 1977 through 1979 51.47%; and Industrial Sector—1973 54.41%, 1974 51.51%, 1975 50.38%, 1976 50.25%, and 1977 through 1979 48.53%. These percentages are developed on a Btu basis from the souces listed above for the other sectors.
[5]Industrial and electric utility generation of hydropower sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant Report;" 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report." Imports and exports of electricity sources: FPC, Form 12, "Power System Statement."
[6]Sources: 1973 through 1976, FPC, Form 4, "Monthly Power Plant;" 1977 through 1979, DOE, EIA, FPC, Form 4, "Monthly Power Plant Report."
[7]Net coke imports is coke made from coal. Sources: 1973 through 1975, DOI, BOM, *Minerals Yearbook,* "Coke and Coal Chemicals, Annual;" 1976 through 1979, DOE, EIA, *Energy Data Reports,* Coke and Coal Chemicals, Monthly."
[8]"Other" is electricity produced from geothermal power and from wood and waste. Sources: same as footnote 6 above.
[9]Electricity was distributed using EIA data on kilowatt-hour sales to ultimate customers. Electrical energy consumed by railroads was distributed to the Transportation Sector. All "Other" sales, largely for use in government buildings, were distributed to the Residential and Commercial Sector.
Source of sales data: FPC, Form 5, "Monthly Statement of Electric Operating Revenue and Income."
[10]In generating electricity with nuclear or fossil fuels, approximately 65 percent of the energy is lost in the form of heat. Transmission and distribution losses consume about an additional 3 percent of the energy inputs of the utility industry. In order to fully account for all energy consumed both directly and indirectly (i.e., ultimate energy disposition), the electricity losses are allocated to the final end-use sectors in proportion to their direct kilowatt-hour usage.
Note: Totals may not equal sum of components due to independent rounding.

Consumption

Energy Consumption Summary
February 1979





Consumption

Energy Consumption by the Residential and Commercial Economic Sector[1]

		Coal	Natural Gas (dry)	Petroleum[1]	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
					Quadrillion (10^{15}) Btu			
1973	**TOTAL**	**0.293**	**7.626**	**6.051**	**3.489**	**8.295**	**25.754**	
1974	**TOTAL**	**0.292**	**7.518**	**6.057**	**3.469**	**8.419**	**25.755**	
1975	**TOTAL**	**0.248**	**7.581**	**5.839**	**3.584**	**8.729**	**25.981**	
1976	January	0.030	1.280	0.630	0.345	0.853	3.139	3.139
	February	0.019	1.113	0.555	0.319	0.698	2.704	5.843
	March	0.018	0.874	0.547	0.291	0.715	2.444	8.286
	April	0.020	0.685	0.479	0.274	0.637	2.096	10.382
	May	0.016	0.498	0.485	0.269	0.657	1.925	12.307
	June	0.014	0.340	0.469	0.288	0.759	1.869	14.176
	July	0.011	0.287	0.467	0.337	0.877	1.978	16.155
	August	0.015	0.265	0.486	0.351	0.869	1.985	18.140
	September	0.016	0.278	0.497	0.335	0.718	1.844	19.984
	October	0.021	0.403	0.546	0.290	0.698	1.958	21.942
	November	0.024	0.738	0.595	0.293	0.732	2.382	24.324
	December	0.036	1.105	0.697	0.335	0.847	3.019	27.344
	TOTAL	**0.239**	**7.866**	**6.453**	**3.725**	**9.060**	**27.344**	
1977	January	0.032	1.362	0.711	0.371	0.954	3.431	3.431
	February	0.021	1.203	0.676	0.351	0.727	2.978	6.409
	March	0.019	0.836	0.612	0.310	0.739	2.517	8.926
	April	0.020	0.616	0.541	0.282	0.655	2.114	11.040
	May	0.015	0.401	0.532	0.277	0.718	1.943	12.982
	June	0.016	0.312	0.546	0.312	0.804	1.990	14.972
	July	0.012	0.274	0.508	0.370	0.971	2.135	17.106
	August	0.015	0.253	0.554	0.376	0.937	2.135	19.242
	September	0.014	0.263	0.552	0.355	0.795	1.979	21.221
	October	0.018	0.375	0.614	0.311	0.712	2.029	23.250
	November	0.024	0.584	0.613	0.289	0.718	2.228	25.478
	December	0.028	0.983	0.685	0.329	0.858	2.882	28.361
	TOTAL	**0.234**	**7.462**	**7.144**	**3.932**	**9.589**	**28.361**	
1978	January	0.028	1.232	0.673	0.374	0.975	3.282	3.282
	February	0.029	1.257	0.645	R0.367	0.838	R3.136	R6.418
	March	0.023	1.038	0.635	0.341	R0.823	2.860	R9.279
	April	0.020	0.683	0.561	0.291	R0.691	2.246	R11.525
	May	0.018	0.483	0.585	0.283	R0.751	2.119	R13.644
	June	0.017	0.313	0.548	0.323	0.841	2.043	R15.686
	July	0.015	0.264	0.540	0.375	0.979	R2.174	R17.860
	August	0.016	0.240	0.565	0.385	R0.983	R2.188	R20.047
	September	0.018	0.249	0.562	0.376	R0.842	2.047	R22.094
	October	0.026	0.352	0.618	0.322	0.747	R2.066	R24.160
	November	0.027	0.602	0.626	0.301	0.749	2.304	R26.464
	December	0.029	0.966	R0.669	0.340	0.880	R2.884	R29.347
	TOTAL	**0.265**	**7.678**	**R7.227**	**R4.079**	**R10.098**	**R29.347**	
1979	January	0.035	1.308	R0.707	0.377	R1.014	R3.442	R3.442
	February	R0.023	1.329	R0.619	R0.385	R0.874	R3.230	R6.671
	March	0.022	0.993	0.696	0.356	0.825	2.891	9.562
	TOTAL (Year to date)	**0.079**	**3.630**	**2.021**	**1.118**	**2.714**	**9.562**	

[1]The Residential and Commercial Sector consists of housing units, non-manufacturing business establishments (e.g., wholesale and retail businesses), health and educational institutions, and government office buildings. Notes on the methodology used for sector calculations are provided in the footnotes on page 20.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Sources: See footnotes on page 20.

Consumption

Energy Consumption by the Industrial Economic Sector[1]

		Coal	Natural Gas (dry)	Petro-leum	Hydro-electric	Net Coke Imports[2]	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
						Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**4.377**	**10.397**	**7.221**	**0.033**	**(0.008)**	**2.341**	**5.564**	**29.924**	
1974	**TOTAL**	**4.047**	**10.012**	**6.434**	**0.031**	**0.059**	**2.337**	**5.668**	**28.587**	
1975	**TOTAL**	**3.786**	**8.532**	**5.929**	**0.030**	**0.014**	**2.304**	**5.613**	**26.207**	
1976	January	0.316	0.777	0.636	0.003	(0.001)	0.196	0.485	2.413	2.413
	February	0.298	0.603	0.561	0.003	(0.001)	0.198	0.433	2.095	4.508
	March	0.316	0.605	0.552	0.003	(0.002)	0.206	0.507	2.187	6.695
	April	0.316	0.578	0.484	0.003	(0.002)	0.205	0.475	2.058	8.753
	May	0.323	0.652	0.490	0.003	(0.003)	0.209	0.511	2.185	10.938
	June	0.308	0.670	0.473	0.003	(0.002)	0.214	0.563	2.229	13.167
	July	0.306	0.731	0.471	0.003	(0.000)	0.213	0.554	2.278	15.445
	August	0.300	0.707	0.491	0.002	0.001	0.218	0.541	2.261	17.705
	September	0.299	0.715	0.502	0.002	0.001	0.220	0.471	2.210	19.915
	October	0.314	0.948	0.552	0.003	0.006	0.218	0.525	2.567	R22.482
	November	0.323	0.896	0.601	0.003	0.001	0.215	0.538	2.578	25.060
	December	0.352	0.885	0.704	0.003	0.002	0.214	0.541	2.701	27.761
	TOTAL	**3.773**	**8.768**	**6.518**	**0.033**	**0.000**	**2.525**	**6.144**	**27.761**	
1977	January	0.322	0.812	0.670	0.003	(0.002)	0.210	0.539	2.555	2.555
	February	0.308	0.391	0.638	0.003	0.000	0.206	0.427	1.973	4.528
	March	0.329	0.627	0.577	0.003	(0.002)	0.216	0.515	2.266	6.793
	April	0.309	0.583	0.510	0.003	(0.002)	0.216	0.502	2.120	8.914
	May	0.306	0.703	0.502	0.003	0.000	0.223	0.579	2.316	11.230
	June	0.298	0.696	0.515	0.003	0.000	0.225	0.582	2.318	13.548
	July	0.289	0.690	0.479	0.003	0.002	0.220	0.578	2.261	15.809
	August	0.277	0.744	0.523	0.003	0.001	0.226	0.563	2.337	18.145
	September	0.269	0.824	0.521	0.003	0.007	0.226	0.508	2.358	20.503
	October	0.301	0.840	0.579	0.003	0.004	0.226	0.518	2.471	22.974
	November	0.300	0.851	0.578	0.003	0.001	0.221	0.551	2.504	25.478
	December	0.306	0.880	0.646	0.003	0.006	0.218	0.569	2.628	28.106
	TOTAL	**3.612**	**8.641**	**6.736**	**0.037**	**0.015**	**2.635**	**6.431**	**28.106**	
1978	January	0.286	0.896	0.634	0.003	0.001	0.219	0.572	2.612	2.612
	February	0.246	0.622	0.608	0.003	0.001	0.208	R0.475	R2.163	R4.774
	March	0.243	0.596	0.599	0.003	0.005	0.210	0.506	2.162	R6.936
	April	0.274	0.588	0.529	0.003	0.012	0.215	0.510	2.132	R9.068
	May	0.293	0.593	0.552	0.003	0.025	0.228	R0.605	2.298	R11.366
	June	0.287	R0.572	6.517	0.003	0.009	0.236	0.614	R2.238	R13.605
	July	0.291	R0.665	0.509	0.003	0.015	0.230	0.600	R2.313	R15.918
	August	0.288	R0.657	0.532	0.002	0.013	0.240	R0.614	2.348	R18.266
	September	0.288	0.660	0.530	0.003	0.012	0.239	0.535	R2.267	R20.533
	October	0.309	0.796	0.583	0.003	0.015	0.240	0.557	2.504	R23.037
	November	0.308	R0.793	0.590	0.003	0.013	0.235	0.585	2.526	R25.562
	December	0.319	R0.845	R0.631	0.003	0.009	0.231	0.597	R2.635	R28.197
	TOTAL	**3.433**	**R8.284**	**R6.814**	**0.036**	**0.131**	**2.731**	**6.769**	**R28.197**	
1979	January	R0.313	R0.811	R0.667	0.003	0.004	0.232	R0.624	R2.654	R2.654
	February	R0.287	R0.557	R0.583	0.003	0.003	R0.228	R0.518	R2.179	R4.832
	March	0.308	0.553	0.656	0.003	0.002	0.234	0.542	2.299	7.131
	TOTAL (Year to date)	**0.909**	**1.921**	**1.906**	**0.009**	**0.009**	**0.694**	**1.683**	**7.131**	

[1]The Industrial Sector is made up of construction, manufacturing, agriculture, and mining establishments. Notes on the methodology used for sector calculations are provided in the footnotes on page 20.
[2]Net Imports=imports minus exports. Parentheses indicate exports are greater than imports.
R=Revised data.
Note: Total may not equal sum of components due to independent rounding.
Sources: See footnotes on page 20.

Consumption

Energy Consumption by the Transportation Economic Sector[1]

		Coal	Natural Gas (dry)	Petroleum	Electricity Distributed	Electrical Energy Loss Distributed	Total Energy Use	Yearly Cumulative Total Energy Use
				Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**0.003**	**0.743**	**18.132**	**0.014**	**0.034**	**18.927**	
1974	**TOTAL**	**0.002**	**0.685**	**17.677**	**0.015**	**0.035**	**18.414**	
1975	**TOTAL**	**0.001**	**0.595**	**17.872**	**0.015**	**0.035**	**18.518**	
1976	January	0.000	0.069	1.572	0.001	0.003	1.646	1.646
	February	0.000	0.058	1.415	0.001	0.003	1.477	3.123
	March	0.000	0.050	1.584	0.001	0.003	1.639	4.761
	April	0.000	0.042	1.543	0.001	0.003	1.590	6.351
	May	0.000	0.039	1.518	0.001	0.003	1.561	7.912
	June	0.000	0.034	1.569	0.001	0.003	1.607	9.519
	July	0.000	0.034	1.606	0.001	0.003	1.644	11.163
	August	0.000	0.033	1.563	0.001	0.003	1.599	12.763
	September	0.000	0.033	1.530	0.001	0.002	1.567	14.330
	October	0.000	0.045	1.560	0.001	0.003	1.609	15.939
	November	0.000	0.055	1.596	0.001	0.003	1.655	17.594
	December	0.000	0.067	1.743	0.001	0.003	1.814	19.408
	TOTAL	**0.000**	**0.559**	**18.799**	**0.015**	**0.036**	**19.408**	
1977	January	0.000	0.073	1.668	0.001	0.004	1.746	1.746
	February	0.000	0.054	1.544	0.002	0.003	1.603	3.349
	March	0.000	0.049	1.617	0.001	0.003	1.670	5.019
	April	0.000	0.040	1.592	0.001	0.003	1.636	6.655
	May	0.000	0.037	1.576	0.001	0.003	1.617	8.272
	June	0.000	0.034	1.621	0.001	0.003	1.659	9.931
	July	0.000	0.032	1.642	0.001	0.003	1.678	11.609
	August	0.000	0.034	1.662	0.001	0.003	1.699	13.308
	September	0.000	0.037	1.583	0.001	0.003	1.623	14.931
	October	0.000	0.041	1.615	0.001	0.003	1.660	16.591
	November	0.000	0.048	1.601	0.001	0.003	1.654	18.245
	December	0.000	0.063	1.756	0.001	0.003	1.823	20.068
	TOTAL	**0.000**	**0.543**	**19.476**	**0.014**	**0.035**	**20.068**	
1978	January	0.000	0.072	1.641	0.001	0.004	1.717	1.717
	February	0.000	0.063	1.565	0.001	0.003	1.633	3.350
	March	0.000	0.055	1.735	0.001	0.003	1.795	5.145
	April	0.000	0.043	1.582	0.001	0.003	1.628	6.773
	May	0.000	0.036	1.708	0.001	0.003	1.748	8.521
	June	0.000	0.030	1.679	0.001	0.003	R1.713	10.234
	July	0.000	0.031	1.657	0.001	0.003	1.692	11.926
	August	0.000	0.030	1.746	0.001	0.003	1.780	13.706
	September	0.000	0.031	1.596	0.001	0.003	1.630	15.336
	October	0.000	0.039	1.681	0.001	0.003	1.723	R17.059
	November	0.000	0.047	1.676	0.001	0.003	1.728	18.787
	December	0.000	0.061	1.753	0.001	0.004	1.819	20.606
	TOTAL	**0.000**	**0.538**	**R20.017**	**0.015**	**0.037**	**20.606**	
1979	January	0.000	R0.071	1.790	0.001	0.004	R1.866	R1.866
	February	0.000	0.064	1.550	0.001	R0.003	1.619	R3.485
	March	0.000	0.052	1.681	0.001	0.003	1.738	5.223
	TOTAL (Year to date)	**0.000**	**0.187**	**5.021**	**0.004**	**0.010**	**5.223**	

[1]The transportation sector consists of both private and public passenger and freight transportation, as well as government transportation, including military operations. Notes on the methodology used for sector calculations are provided in the footnotes on page 20.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: See footnotes on page 20.

Consumption

Energy Consumption by Electric Utilities

		Coal[1]	Natural Gas (dry)	Petroleum	Hydro-electric Power	Nuclear Electric Power	Other[2]	Total	Yearly Cumulative Total
					Quadrillion (10^{15}) Btu				
1973	**TOTAL**	**8.627**	**3.746**	**3.433**	**2.975**	**0.910**	**0.046**	**19.738**	
1974	**TOTAL**	**8.535**	**3.518**	**3.286**	**3.276**	**1.272**	**0.056**	**19.943**	
1975	**TOTAL**	**8.788**	**3.241**	**3.092**	**3.187**	**1.900**	**0.072**	**20.280**	
1976	January	0.868	0.210	0.344	0.278	0.178	0.007	1.884	1.884
	February	0.758	0.203	0.264	0.262	0.159	0.007	1.653	3.537
	March	0.781	0.227	0.269	0.283	0.155	0.007	1.723	5.260
	April	0.730	0.233	0.246	0.258	0.121	0.007	1.595	6.855
	May	0.733	0.274	0.232	0.272	0.132	0.006	1.649	8.504
	June	0.789	0.318	0.267	0.273	0.174	0.007	1.827	10.331
	July	0.867	0.347	0.290	0.278	0.196	0.007	1.984	12.316
	August	0.878	0.339	0.301	0.255	0.203	0.007	1.983	14.298
	September	0.779	0.302	0.250	0.219	0.191	0.007	1.748	16.046
	October	0.797	0.256	0.259	0.226	0.192	0.007	1.736	17.782
	November	0.842	0.223	0.320	0.213	0.178	0.006	1.782	19.563
	December	0.900	0.220	0.365	0.217	0.233	0.007	1.941	21.505
	TOTAL	**9.720**	**3.153**	**3.407**	**3.032**	**2.111**	**0.081**	**21.505**	
1977	January	0.930	0.210	0.463	0.231	0.239	0.007	2.080	2.080
	February	0.807	0.206	0.311	0.173	0.211	0.006	1.716	3.795
	March	0.796	0.239	0.298	0.222	0.223	0.007	1.784	5.579
	April	0.727	0.230	0.272	0.210	0.214	0.006	1.659	7.238
	May	0.797	0.267	0.298	0.210	0.222	0.007	1.800	9.038
	June	0.864	0.319	0.310	0.195	0.232	0.007	1.927	10.965
	July	0.973	0.356	0.381	0.190	0.235	0.007	2.143	13.109
	August	0.957	0.362	0.347	0.190	0.245	0.006	2.107	15.215
	September	0.868	0.334	0.281	0.187	0.211	0.007	1.888	17.103
	October	0.824	0.294	0.246	0.194	0.205	0.007	1.771	18.874
	November	0.832	0.241	0.265	0.228	0.210	0.007	1.783	20.657
	December	0.888	0.226	0.349	0.253	0.256	0.007	1.979	22.636
	TOTAL	**10.263**	**3.285**	**3.821**	**2.482**	**2.702**	**0.082**	**22.636**	
1978	January	0.922	0.236	0.426	0.277	0.278	0.007	R2.146	R2.146
	February	0.772	0.218	0.412	0.249	0.235	0.006	R1.892	4.037
	March	0.732	0.240	0.393	0.272	0.242	0.005	1.884	5.921
	April	0.743	0.231	0.264	0.279	0.189	0.004	R1.712	R7.633
	May	0.799	0.270	R0.262	0.315	0.220	0.004	R1.870	R9.503
	June	0.880	0.332	0.284	R0.277	0.239	0.005	2.018	R11.521
	July	0.954	R0.375	0.315	R0.270	0.269	0.005	2.188	R13.709
	August	0.998	R0.353	0.346	0.247	0.276	0.006	2.225	R15.935
	September	0.921	0.308	R0.286	0.236	0.239	0.007	R1.997	R17.931
	October	0.856	R0.272	R0.272	0.218	0.248	0.005	R1.871	R19.802
	November	0.854	R0.236	0.287	R0.223	0.268	0.006	R1.874	R21.676
	December	0.940	R0.227	0.360	0.246	0.274	0.007	R2.053	R23.728
	TOTAL	**R10.372**	**R3.297**	**R3.906**	**R3.109**	**2.977**	**0.068**	**R23.728**	
1979	January	R1.012	0.236	R0.421	0.277	0.299	0.007	R2.252	R2.252
	February	R0.904	R0.236	R0.348	0.238	0.279	0.006	R2.010	R4.262
	March	0.899	0.270	0.235	0.287	0.262	0.008	1.961	6.224
	TOTAL (Year to date)	**2.815**	**0.742**	**1.005**	**0.801**	**0.840**	**0.020**	**6.224**	

[1]Includes bituminous coal, lignite, and anthracite coal.
[2]Includes geothermal power and electricity produced from wood and waste.
R=Revised data.
Note: Totals may not equal sum due to independent rounding.

Crude Oil and Refined Petroleum Products

Total petroleum imports* averaged 8.0 million barrels per day in April 1979, 7.2 percent more than the April 1978 rate. Imports* averaged 8.3 million barrels per day over the first 4 months of 1979.

In April 1979, total domestic demand for petroleum products averaged 17.6 million barrels per day. This can be broken down into component products as follows: 17.4 percent of the domestic demand was for distillate fuel oil (3.1 million barrels per day); 16.4 percent was for residual fuel oil (2.9 million barrels per day); and 41.0 percent or 7.2 million barrels per day, was for motor gasoline. Total domestic demand over the first 4 months of 1979 averaged 19.4 million barrels per day.

Preliminary statistics indicate that motor gasoline demand averaged 7.2 million barrels per day in April 1979, the same rate as last March. The January through April average was 7.1 million barrels per day.

Residual fuel oil demand averaged 2.9 million barrels per day in April, 3.8 percent lower than in April 1978. The average over the January through April period of 1979 was 3.3 million barrels per day. Residual fuel oil stocks measured 75.3 million barrels at the end of April, 13.7 percent above a year ago.

Distillate fuel oil demand averaged 3.1 million barrels per day in April, 1.3 percent lower than a year ago. The average for the January through April period of 1979 was 4.0 million barrels per day. Distillate fuel oil stocks were 116.4 million barrels at the end of April, 14.5 percent below the stock level 1 year ago.

Domestic crude oil production averaged 8.6 million barrels per day in April**, 1.0 percent lower than in April 1978. The average for the first 4 months of 1979 was 8.4 million barrels per day.

*Excludes crude petroleum imported for the Strategic Petroleum Reserve.

**April 1979 estimates are based on preliminary data from the American Petroleum Institute and will be revised to conform with data from the EIA Petroleum Reporting System as available.

Petroleum

Crude Oil

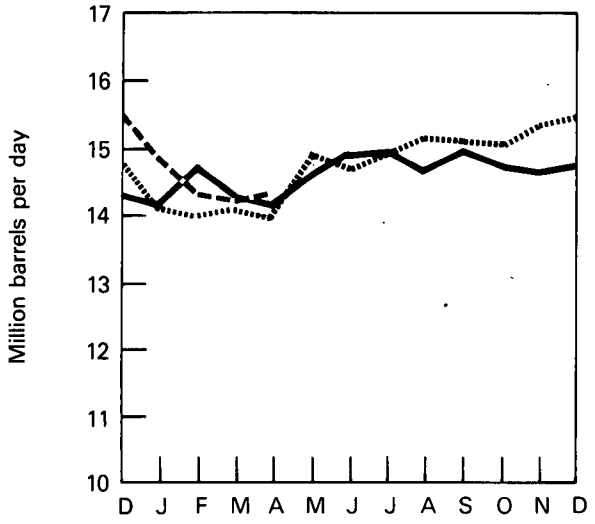
		Crude Input to Refineries	Domestic Production[1]	Crude Oil Imports[1,2]	Strategic Petroleum Reserve (SPR) Imports[4]	Exports	Crude Oil Stocks[1,3]	Strategic Petroleum Reserve (SPR) Stocks[4]
		Thousand barrels per day					Thousand barrels	
1973	**AVERAGE**	**12,431**	**9,208**	**3,244**		**2**	**‡242,478**	
1974	**AVERAGE**	**12,133**	**8,774**	**3,477**		**3**	**‡265,020**	
1975	**AVERAGE**	**12,442**	**8,375**	**4,105**		**6**	**‡271,354**	
1976	**AVERAGE**	**13,416**	**8,132**	**5,287**		**8**	**‡285,471**	
1977	January	14,130	7,854	6,281		13	294,116	
	February	14,734	8,139	6,659		59	291,462	
	March	14,263	8,090	6,699		32	299,533	
	April	14,177	8,145	6,821		17	318,872	
	May	14,593	8,075	6,818		89	328,755	
	June	14,865	8,102	7,065		10	333,746	
	July	14,882	8,105	7,068		53	335,313	
	August	14,642	8,307	6,395		37	338,865	
	September	14,924	8,480	6,429		91	334,133	
	October	14,654	8,573	6,409	93	85	340,549	2,646
	November	14,636	8,579	6,248	73	45	345,197	5,084
	December	14,748	8,487	6,248	79	69	339,857	7,826
	AVERAGE	**14,602**	**8,245**	**6,594**	**R80**	**50**		
1978	January	14,139	8,347	5,974	114	98	340,082	11,106
	February	13,959	8,373	5,551	109	8	335,794	14,276
	March	14,141	8,807	5,981	132	60	345,333	18,437
	April	13,872	8,708	5,331	108	92	343,201	21,825
	May	14,982	8,801	5,452	133	124	329,020	25,629
	June	14,685	8,822	6,227	146	195	333,247	30,140
	July	14,903	8,747	6,036	154	138	332,691	35,248
	August	15,178	8,788	6,118	184	175	316,730	40,968
	September	15,076	8,787	6,720	225	251	321,213	47,090
	October	15,002	8,830	6,299	195	R272	324,765	53,113
	November	15,336	8,728	6,413	188	218	322,315	59,312
	December	R15,421	R8,651	R6,711	245	251	R309,915	66,860
	AVERAGE	**R14,732**	**R8,701**	**R6,071**	**161**	**R158**		
1979	January	14,821	8,346	6,384	204	NA	296,565	73,142
	February	14,300	8,286	6,194	178	NA	297,126	78,166
	March	R14,243	R8,369	R6,081	122	NA	R308,732	82,501
	April	*14,373*	*8,618*	*6,020*	NA	NA	*321,806*	
	AVERAGE	**14,438**	**8,406**	**6,170**	**168**	**NA**		

[1]See Definitions.
[2]Excludes SPR imports.
[3]Excludes SPR stocks.
[4]Strategic Petroleum Reserve storage began in October 1977.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA "Monthly Petroleum Statistics Report;" April 1979 data are EIA estimates based on data from the American Petroleum Institute "Weekly Statistical Bulletin."

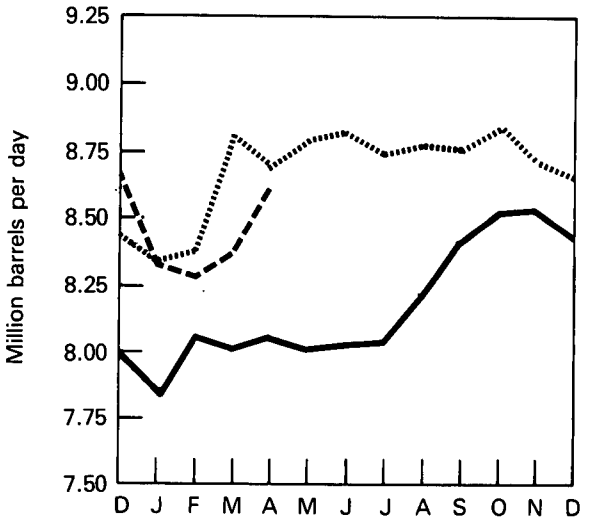
Petroleum

Crude Oil

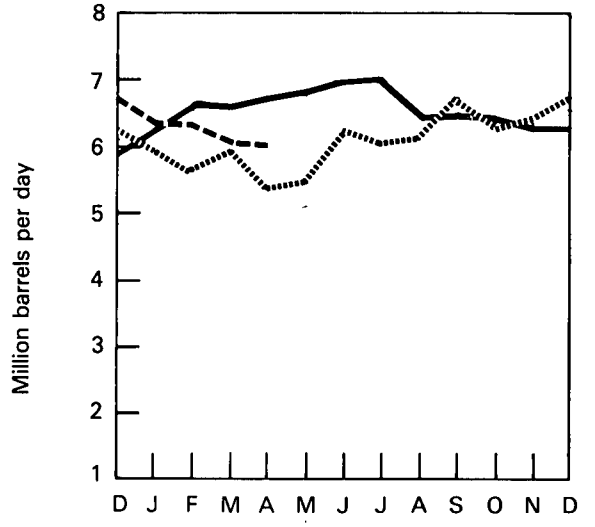
Crude Input to Refineries



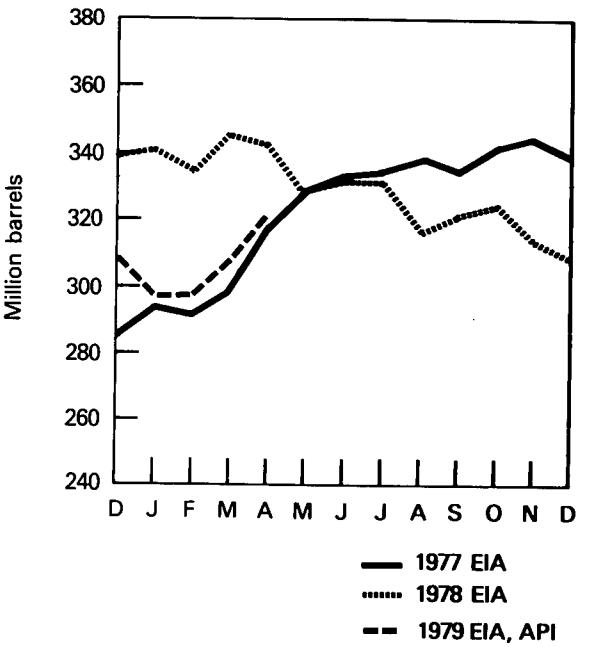
Domestic Production



Imports (Excluding Imports for SPR)



Stocks (Excluding SPR)



Petroleum

Total Refined Petroleum Products

Total Petroleum Imports (Crude Oil and Refined Products)

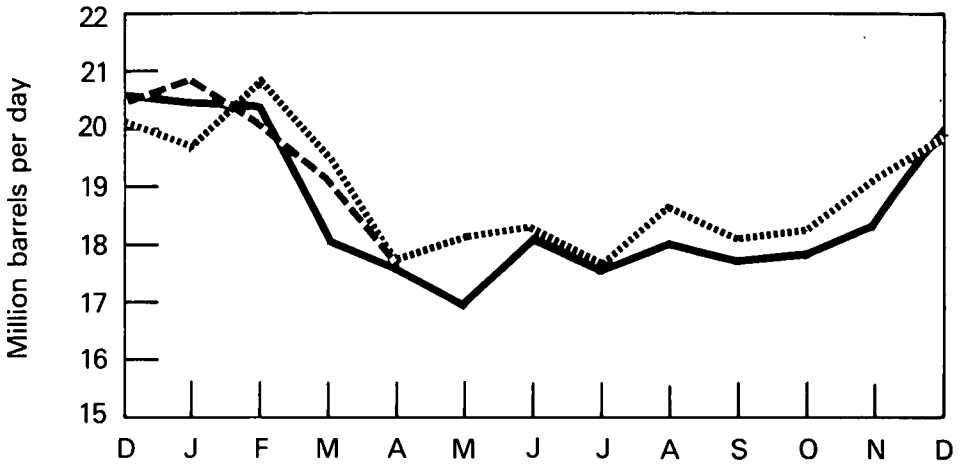
		Domestic Demand	Imports[1]	Exports	Total Imports (Excluding SPR)	SPR Imports[2]	Total Imports (Including SPR)[2]
		Thousand barrels per day			Thousand barrels per day		
1973	**AVERAGE**	**17,308**	**3,012**	**229**	**6,256**		
1974	**AVERAGE**	**16,653**	**2,635**	**218**	**6,112**		
1975	**AVERAGE**	**16,322**	**1,951**	**204**	**6,056**		
1976	**AVERAGE**	**17,461**	**2,026**	**215**	**7,313**		
1977	January	20,504	2,622	179	8,903		8,903
	February	20,482	3,338	175	9,997		9,997
	March	18,124	2,684	175	9,383		9,383
	April	17,580	1,902	207	8,723		8,723
	May	16,972	1,753	199	8,571		8,571
	June	18,043	1,872	215	8,937		8,937
	July	17,568	2,027	201	9,095		9,095
	August	18,012	2,179	193	8,574		8,574
	September	17,714	2,137	203	8,567		8,567
	October	17,824	1,862	170	8,271	93	8,364
	November	18,437	1,814	190	8,062	73	8,135
	December	20,052	2,198	206	8,446	79	8,525
	AVERAGE	**18,431**	**2,193**	**193**	**8,787**	**R80**	**8,807**
1978	January	19,691	2,065	158	8,040	114	8,154
	February	20,874	2,337	200	7,887	109	7,996
	March	19,627	2,323	209	8,304	132	8,436
	April	17,714	2,100	245	7,431	108	7,539
	May	18,133	1,762	189	7,215	133	7,348
	June	18,271	1,624	204	7,851	146	7,997
	July	17,631	1,948	192	7,984	154	8,138
	August	18,611	1,850	229	7,968	184	8,153
	September	17,933	1,983	226	8,704	225	8,928
	October	18,408	1,724	197	8,021	195	8,217
	November	19,176	2,030	191	8,443	188	8,631
	December	R19,920	R2,233	205	R8,943	245	R9,188
	AVERAGE	**R18,822**	**R1,997**	**204**	**R8,067**	**161**	**R8,228**
1979	January	20,925	2,114	NA	8,498	204	8,702
	February	20,036	2,015	NA	8,209	178	8,387
	March	R19,078	R2,265	NA	R8,346	122	8,468
	April†	*17,591*	*1,943*	NA	*7,963*	NA	NA
	AVERAGE	**19,407**	**2,089**	**NA**	**8,258**	**168**	**8,523**

[1]See Definitions.
[2]Strategic Petroleum Reserve storage began in October 1977.
Estimated data in italics. These are likely to be revised next month.
R=Revised data.
NA=Not available.
†Preliminary data.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA "Monthly Petroleum Statistics Report;" April 1979 data are EIA estimates based on data from the American Petroleum Institute "Weekly Statistical Bulletin."

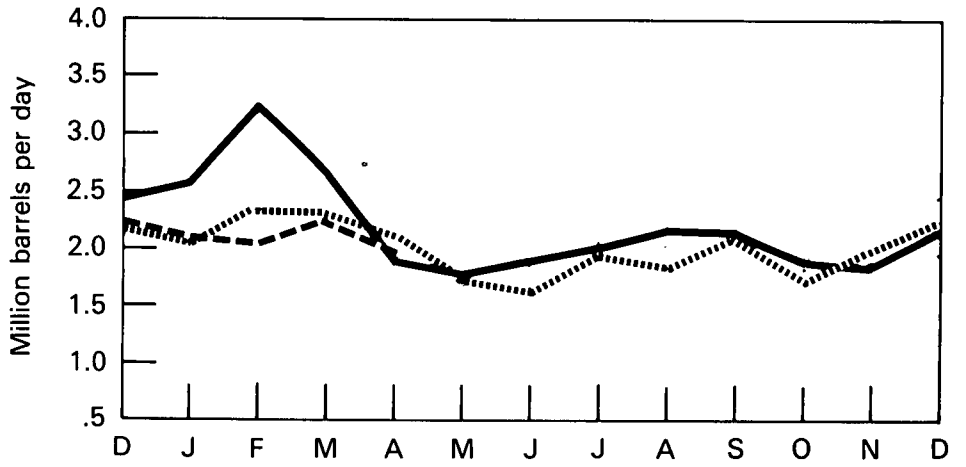
Petroleum

Total Petroleum Products and Imports

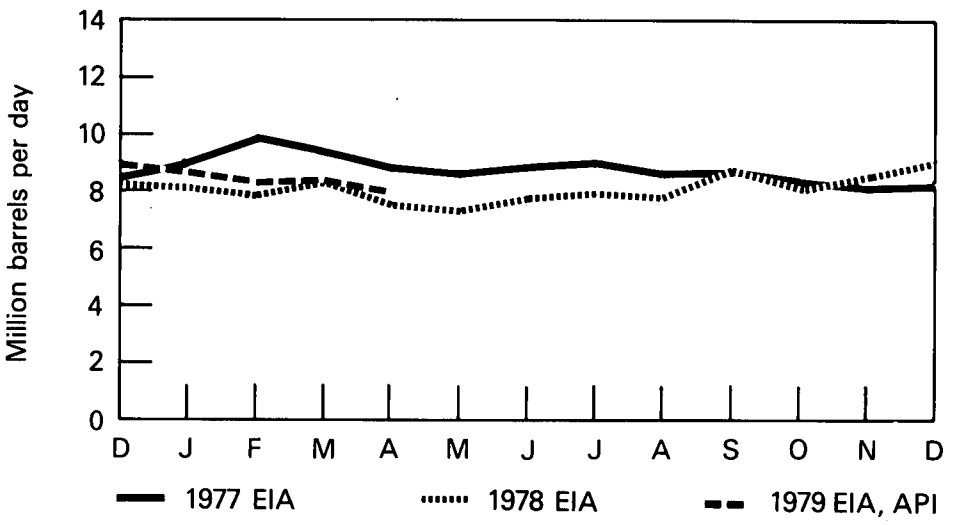
Total Refined Product Domestic Demand



Refined Product Imports



Total Petroleum Imports (Excluding Imports for SPR)



Petroleum

Domestic Petroleum Imports from OPEC Sources

	Algeria	Indonesia	Iran	Libya	Nigeria	Saudi Arabia	United Arab Emirates	Venezuela	Other OPEC[1]	Total OPEC	Arab Members of OPEC
						Thousand barrels per day					
1973											
AVERAGE	**136.0**	**213.3**	**222.8**	**164.4**	**458.8**	**485.7**	**70.6**	**1,134.9**	**106.4**	**2,992.9**	**914.7**
1974											
AVERAGE	**190.1**	**300.4**	**468.8**	**4.4**	**713.4**	**461.3**	**73.9**	**979.1**	**88.4**	**3,279.8**	**752.5**
1975											
AVERAGE	**282.4**	**389.6**	**280.4**	**231.8**	**761.8**	**714.6**	**116.7**	**702.5**	**121.4**	**3,601.3**	**1,382.6**
1976											
AVERAGE	**432.2**	**538.8**	**298.5**	**453.3**	**1,024.7**	**1,229.8**	**254.4**	**700.1**	**134.0**	**5,065.8**	**2,424.1**
1977											
January	488.0	637.2	396.8	624.5	1,272.5	1,327.1	319.5	841.8	324.4	6,231.8	2,990.9
February	666.1	581.0	412.4	652.8	1,256.3	1,441.8	316.7	937.5	241.0	6,505.5	3,118.0
March	470.8	574.5	735.0	738.3	1,299.9	1,347.8	369.5	678.9	193.1	6,407.8	3,035.8
April	664.9	523.9	517.2	782.9	1,254.5	1,437.4	323.7	666.0	250.4	6,420.9	3,367.6
May	392.8	509.5	562.9	768.7	1,072.3	1,724.1	252.5	534.4	412.3	6,229.5	3,427.8
June	453.3	671.6	562.8	841.3	1,223.0	1,432.6	438.6	668.7	338.2	6,630.0	3,399.5
July	567.8	538.9	857.3	763.4	1,194.7	1,404.9	274.3	655.6	350.8	6,606.3	3,247.9
August	632.2	552.8	500.1	640.0	975.2	1,401.0	308.6	753.1	276.9	6,039.9	3,121.5
September	550.8	391.0	448.6	679.2	1,084.8	1,487.4	348.4	744.8	201.4	5,936.4	3,215.2
October	663.0	466.8	413.0	679.7	1,159.3	1,342.9	253.3	591.5	272.1	5,841.6	3,142.4
November	590.6	514.6	422.7	846.9	943.0	1,119.2	420.1	521.3	285.0	5,663.4	3,169.3
December	574.0	533.1	573.4	656.4	989.6	1,102.8	402.4	709.5	289.2	5,830.4	2,958.3
AVERAGE	**558.6**	**541.0**	**535.0**	**722.6**	**1,143.0**	**1,380.4**	**335.3**	**690.4**	**286.7**	**6,193.1**	**3,182.2**
1978											
January	682.3	462.7	681.5	559.9	822.9	1,198.2	348.7	628.4	227.9	5,612.5	2,925.1
February	635.9	393.5	526.2	575.8	758.4	982.4	485.8	750.5	242.3	5,360.1	2,792.3
March	709.5	579.4	547.3	589.9	944.8	1,125.6	296.2	893.6	240.6	5,926.9	2,884.0
April	597.6	504.7	408.6	601.8	584.3	986.6	435.0	641.9	220.2	4,980.7	2,732.1
May	667.1	508.5	730.4	498.7	790.2	786.3	404.5	527.6	84.5	4,997.8	2,396.8
June	756.6	637.1	508.5	630.3	851.7	1,111.3	342.7	481.1	235.4	5,554.7	3,004.8
July	662.5	617.8	532.5	622.2	945.0	1,028.8	289.4	531.9	286.9	5,517.0	2,784.6
August	464.2	527.5	574.2	781.6	934.5	1,102.5	404.2	505.8	212.4	5,506.9	2,872.2
September	609.9	572.7	586.4	757.5	1,029.6	1,242.6	389.6	648.2	256.9	6,093.4	3,164.0
October	678.8	527.9	608.2	697.6	927.7	1,167.3	397.2	524.1	112.6	5,641.4	2,983.0
November	559.4	506.2	455.5	749.0	1,146.3	1,380.7	415.1	635.1	222.0	6,069.3	3,245.3
December	R561.5	R603.0	368.8	R663.7	R1,107.0	R1,524.8	344.5	R841.6	R345.6	R6,360.5	R3,267.4
AVERAGE	**R632.1**	**R538.2**	**544.7**	**R641.1**	**R904.7**	**R1,137.2**	**378.4**	**R633.5**	**R224.0**	**R5,636.9**	**R2,920.8**
1979											
January	647.0	419.1	187.1	728.0	1,112.9	1,557.1	341.4	662.2	188.0	5,842.8	3,370.8
February	636.1	504.2	85.8	609.3	963.1	1,587.7	309.7	750.2	171.0	5,617.1	3,248.7
March	579.0	364.8	22.2	602.1	1,368.1	1,289.3	298.4	843.1	224.5	5,591.5	2,914.9
AVERAGE (3 months)	**620.2**	**426.9**	**98.8**	**647.7**	**1,154.2**	**1,474.4**	**316.7**	**751.9**	**195.3**	**5,686.0**	**3,175.8**

[1]Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.
R=Revised data.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual" and "PAD District Supply/Demand, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "PAD Districts Supply/Demand, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "PAD Districts Supply/Demand, Monthly;" January 1978 through March 1979: EIA, "Monthly Petroleum Statistics Report."

Petroleum

Domestic Petroleum Imports from Non-OPEC Sources

	Bahamas	Canada	Mexico	Netherlands Antilles	Puerto Rico	Trinidad and Tobago	Virgin Islands	Other	Total
				Thousand barrels per day					
1973									
AVERAGE	**170.8**	**1,312.9**	**15.2**	**573.6**	**99.3**	**250.6**	**329.2**	**523.5**	**3,274.2**
1974									
AVERAGE	**159.3**	**1,067.6**	**8.4**	**509.6**	**90.4**	**241.2**	**391.7**	**384.2**	**2,852.4**
1975									
AVERAGE	**152.0**	**845.2**	**71.4**	**323.6**	**89.7**	**240.9**	**406.5**	**306.1**	**2,435.4**
1976									
AVERAGE	**116.5**	**599.3**	**87.1**	**274.6**	**88.1**	**272.6**	**422.3**	**373.5**	**2,234.0**
1977									
January	170.0	514.5	97.9	304.7	82.6	327.0	619.7	554.8	2,671.2
February	302.7	607.1	168.0	382.4	86.3	413.3	549.0	983.0	3,491.8
March	206.1	564.7	171.5	246.1	97.4	301.5	505.4	882.2	2,974.9
April	141.3	507.0	155.2	110.7	85.3	218.5	409.0	674.7	2,301.7
May	138.5	438.2	173.7	153.7	105.8	308.1	376.2	647.4	2,341.6
June	137.7	494.0	180.7	196.1	89.4	271.1	322.0	616.1	2,307.1
July	177.9	483.2	158.7	239.0	127.2	275.8	477.7	549.4	2,488.9
August	168.8	502.5	215.2	224.5	118.8	281.2	431.2	592.3	2,534.5
September	140.2	528.5	167.6	201.1	156.7	250.9	433.9	751.5	2,630.4
October	122.3	481.8	246.6	196.5	114.1	288.4	451.9	620.9	2,522.5
November	184.4	509.2	230.7	93.3	98.7	237.2	462.8	655.0	2,471.3
December	166.8	580.2	186.6	191.9	97.8	305.5	555.6	610.2	2,694.6
AVERAGE	**170.5**	**516.9**	**179.4**	**210.9**	**105.1**	**289.3**	**466.2**	**675.8**	**2,614.1**
1978									
January	167.5	479.7	236.4	215.2	98.0	295.0	466.0	583.3	2,541.1
February	217.6	507.5	221.9	225.2	99.6	295.8	490.6	587.2	2,645.4
March	211.5	436.9	230.9	238.1	63.6	274.2	492.8	560.8	2,508.8
April	140.9	392.4	231.4	258.3	95.0	302.1	371.9	766.7	2,558.7
May	194.3	396.0	257.6	230.6	73.6	189.0	304.0	704.6	2,349.7
June	144.6	472.6	287.1	213.3	117.6	199.3	324.5	683.7	2,442.7
July	166.0	531.0	319.5	201.6	93.8	281.7	402.2	625.4	2,621.2
August	187.7	422.9	372.9	291.0	82.3	247.6	431.0	610.4	2,645.8
September	116.8	431.6	460.6	217.1	95.2	262.1	431.6	819.7	2,834.7
October	105.9	433.1	392.1	175.5	88.5	203.8	476.3	700.3	2,575.5
November	158.8	469.2	401.8	223.4	71.3	215.1	485.7	536.0	2,561.3
December	R92.3	R651.0	R396.0	R271.6	R96.3	249.6	448.3	R622.6	R2,827.7
AVERAGE	**R158.4**	**R468.6**	**R317.8**	**R230.1**	**89.4**	**251.0**	**426.8**	**R649.4**	**R2,591.5**
1979									
January	164.6	534.3	538.1	228.3	59.4	116.0	R477.0	R741.7	2,859.4
February	103.5	593.7	415.2	254.8	68.2	191.7	421.1	715.0	R2,770.2
March	92.4	521.8	397.5	314.1	63.8	214.7	561.6	710.7	2,876.6
AVERAGE (3 months)	**120.7**	**548.5**	**451.4**	**266.1**	**63.7**	**173.5**	**488.7**	**724.9**	**2,837.6**

R=Revised data.
Source: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual" and "PAD District Supply/Demand, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "PAD Districts Supply/Demand, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "PAD Districts Supply/Demand, Monthly; " January 1979 through March 1979: EIA "Monthly Petroleum Statistics Report."

Petroleum

Motor Gasoline

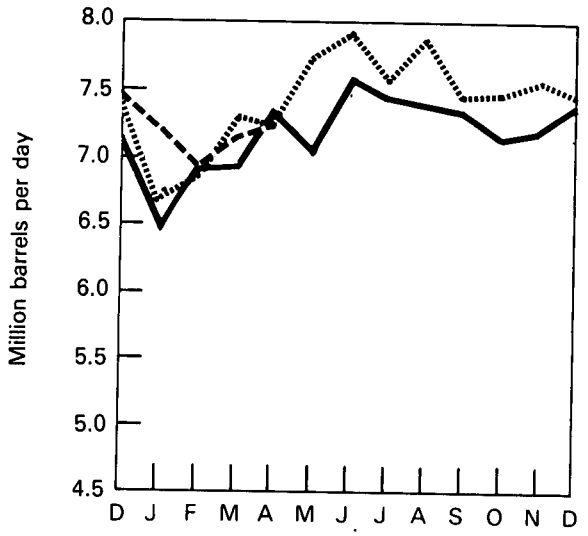
		Domestic Demand						
		Total	Unleaded	Unleaded Percent of Total	Production[1]	Imports	Exports	Stocks[1]
		Thousand barrels per day						Thousand barrels
1973	**AVERAGE**	**6,674**	**NA**	**NA**	**6,527**	**134**	**4**	**‡209,395**
1974	**AVERAGE**	**6,537**	**NA**	**NA**	**6,358**	**204**	**2**	**‡218,346**
1975	**AVERAGE**	**6,675**	**NA**	**NA**	**6,518**	**184**	**2**	**‡234,925**
1976	**AVERAGE**	**6,978**	**1,508**	**21.6**	**6,838**	**131**	**3**	**‡231,387**
1977	January	6,472	1,549	23.9	6,932	231	8	252,608
	February	6,900	1,773	25.7	6,815	188	2	255,519
	March	6,908	1,657	24.0	6,862	257	0	262,118
	April	7,345	1,863	25.4	6,966	269	1	258,835
	May	7,029	1,803	25.7	6,945	202	2	262,504
	June	7,593	2,142	28.2	7,144	246	1	256,446
	July	7,439	2,146	28.8	7,247	248	1	258,185
	August	7,420	2,096	28.2	7,188	190	1	256,904
	September	7,316	2,081	28.4	7,059	222	1	255,859
	October	7,130	2,135	29.9	6,930	179	1	255,194
	November	7,191	2,060	28.6	7,123	179	2	258,537
	December	7,375	2,400	32.5	7,146	197	1	257,578
	AVERAGE	**7,177**	**1,976**	**27.5**	**7,031**	**217**	**2**	
1978	January	6,670	2,097	31.4	6,932	211	1	272,287
	February	6,884	2,162	31.4	6,630	210	1	271,077
	March	7,256	2,425	33.4	6,750	142	1	259,801
	April	7,206	2,391	33.2	6,668	180	1	249,079
	May	7,732	2,343	30.3	7,059	174	2	233,612
	June	7,917	2,697	34.1	7,213	238	1	219,660
	July	7,579	2,629	34.7	7,264	212	2	216,488
	August	7,872	2,834	36.0	7,453	183	1	209,194
	September	7,406	2,607	35.2	7,399	257	2	216,682
	October	7,461	2,576	34.5	7,176	188	2	213,665
	November	7,518	2,713	36.1	7,583	161	1	220,516
	December	R7,454	2,751	36.7	R7,831	R182	1	R237,885
	AVERAGE	**R7,416**	**2,521**	**33.9**	**7,167**	**R195**	**1**	
1979	January	7,201	2,609	36.2	7,301	170	NA	245,644
	February	6,938	2,715	39.1	6,951	159	NA	251,049
	March	R7,140	2,733	38.3	R6,653	R166	NA	R241,058
	April†	*7,206*	NA	NA	*6,748*	*174*	NA	*232,103*
	AVERAGE	**7,125**	**2,685**	**37.7**	**6,914**	**167**	**NA**	

[1]See Definitions.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
†Preliminary data.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: Data other than unleaded—1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA, "Monthly Petroleum Statistics Report;" April 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin." Unleaded data—EIA Petroleum Reporting System.

Petroleum

Motor Gasoline

Domestic Demand



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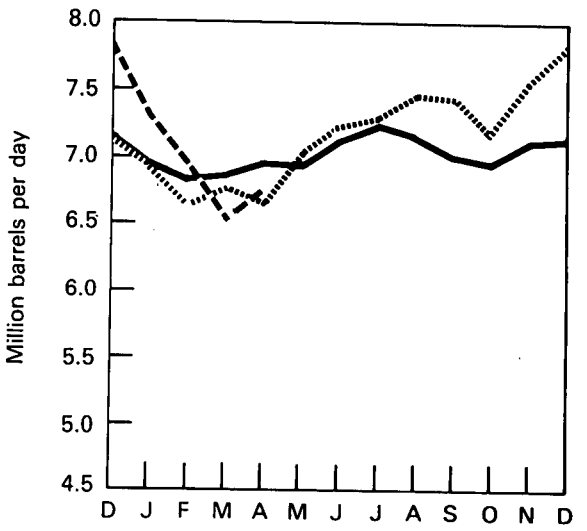
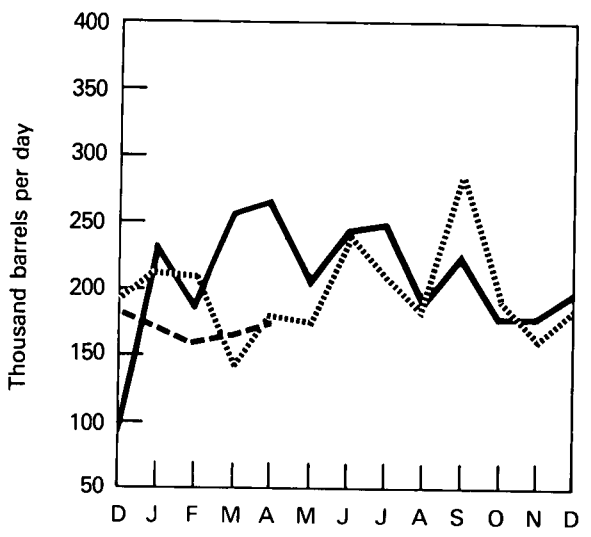
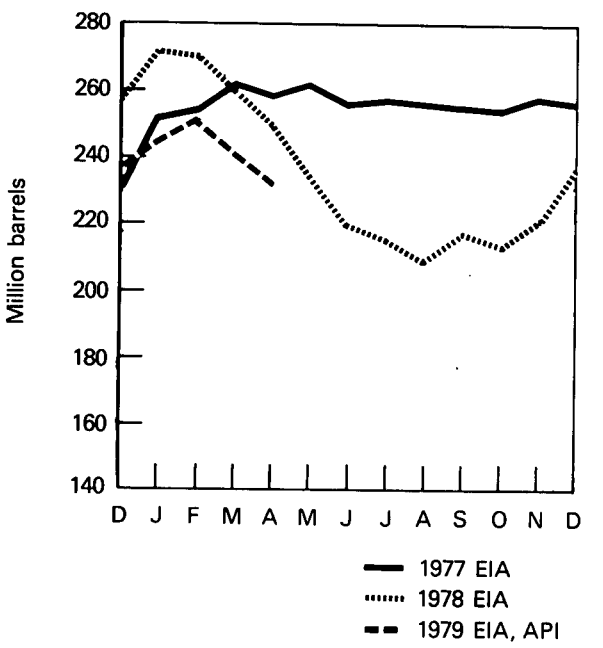


Imports



Stocks



Petroleum

Jet Fuel

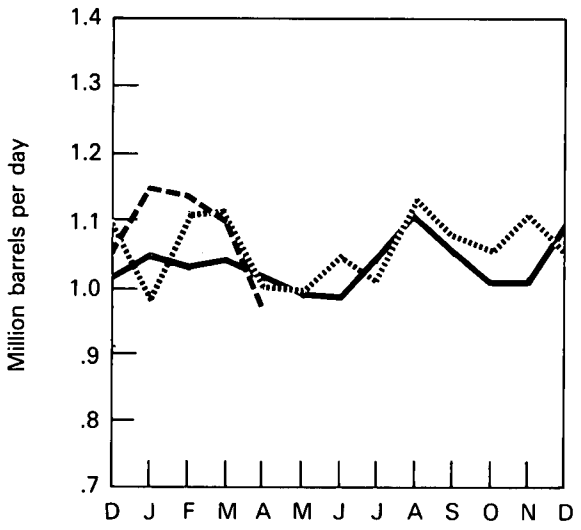
		Domestic Demand	Production	Imports	Exports	Stocks
		Thousands of barrels per day				Thousands of barrels
1973	**AVERAGE**	**1,059**	**859**	**212**	**4**	**‡28,544**
1974	**AVERAGE**	**993**	**836**	**163**	**3**	**‡29,435**
1975	**AVERAGE**	**1,001**	**871**	**133**	**2**	**‡30,380**
1976	**AVERAGE**	**987**	**918**	**76**	**2**	**‡32,085**
1977	January	1,054	916	77	2	30,156
	February	1,036	973	74	2	30,406
	March	1,040	953	99	2	30,721
	April	1,017	989	86	4	32,337
	May	991	977	57	2	33,626
	June	988	994	30	1	34,695
	July	1,041	967	85	1	35,015
	August	1,111	1,007	71	1	33,966
	September	1,048	1,002	53	2	34,133
	October	1,016	972	67	2	34,819
	November	1,035	948	107	1	35,386
	December	1,091	976	90	2	34,548
	AVERAGE	**1,039**	**973**	**75**	**2**	
1978	January	980	922	60	1	34,603
	February	1,107	994	69	2	33,332
	March	1,112	972	98	2	32,003
	April	1,014	983	119	1	34,626
	May	995	1,014	108	2	38,514
	June	1,055	960	59	2	37,408
	July	1,012	928	105	2	38,014
	August	1,129	970	86	1	35,731
	September	1,078	991	75	1	35,324
	October	1,072	937	65	2	33,106
	November	1,112	1,016	89	2	32,838
	December	R1,056	R994	R90	2	R33,667
	AVERAGE	**R1,060**	**973**	**R85**	**2**	
1979	January	1,147	952	84	NA	30,184
	February	1,137	1,002	86	NA	30,458
	March	R1,096	R1,097	R61	NA	R32,381
	April	*967*	*1,046*	*68*	NA	*36,640*
	AVERAGE	**1,086**	**1,025**	**75**	**NA**	

Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA, "Monthly Petroleum Statistics Report;" April 1979 based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."

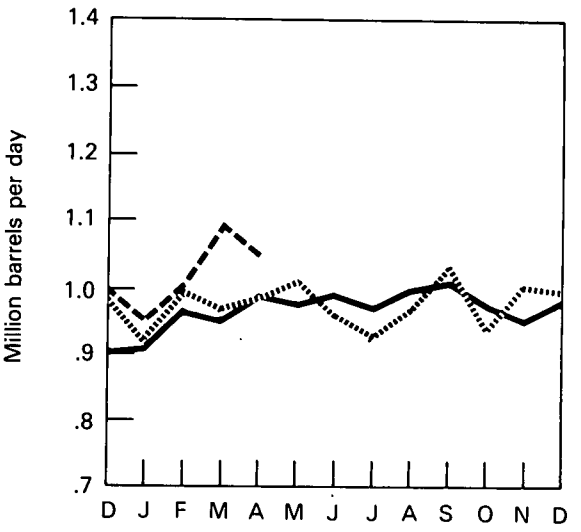
Petroleum

Jet Fuel

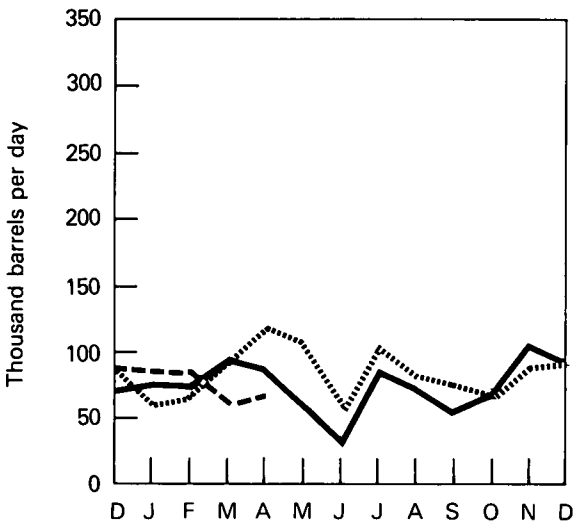
Domestic Demand



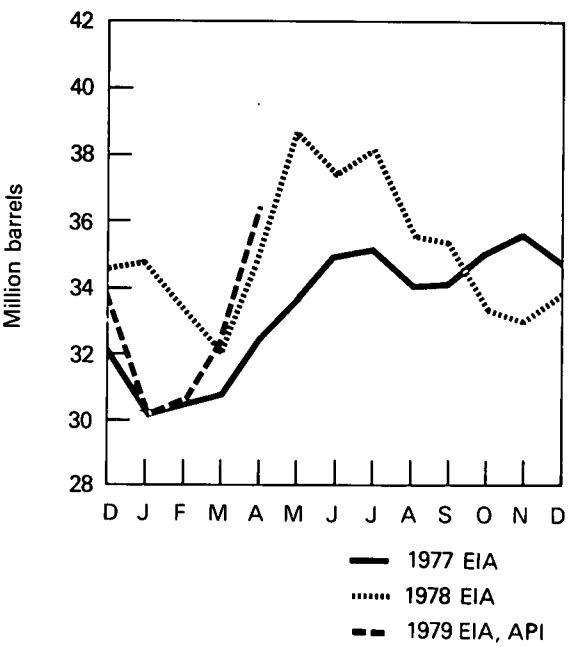
Production



Imports



Stocks



Petroleum

Distillate Fuel Oil

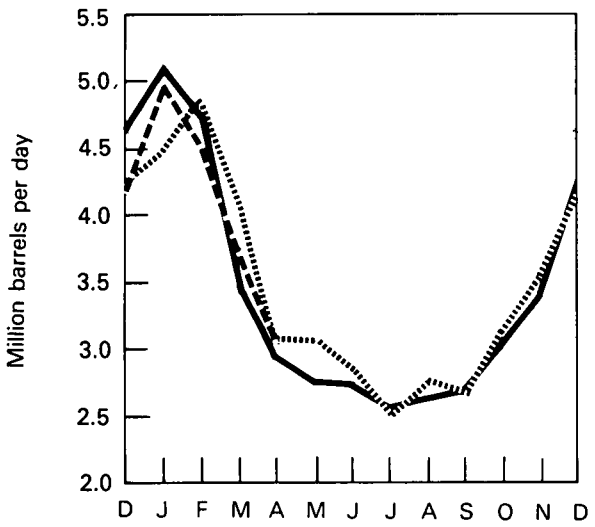
		Domestic Demand	Production[1]	Imports	Exports	Stocks[1]
		Thousand barrels per day				Thousand barrels
1973	**AVERAGE**	**3,092**	**2,820**	**392**	**9**	**‡196,421**
1974	**AVERAGE**	**2,948**	**2,668**	**289**	**2**	**‡200,029**
1975	**AVERAGE**	**2,851**	**2,653**	**155**	**1**	**‡208,787**
1976	**AVERAGE**	**3,133**	**2,924**	**146**	**1**	**‡185,948**
1977	January	5,103	3,369	347	1	142,975
	February	4,708	3,695	664	1	133,246
	March	3,442	3,173	547	1	141,876
	April	2,936	2,995	153	3	148,223
	May	2,782	3,130	99	0	162,222
	June	2,770	3,191	135	0	178,835
	July	2,550	3,198	191	0	204,875
	August	2,632	3,272	161	0	229,783
	September	2,714	3,311	169	1	252,783
	October	3,037	3,362	150	5	267,392
	November	3,421	3,339	188	3	270,571
	December	4,205	3,324	227	2	250,260
	AVERAGE	**3,352**	**3,277**	**250**	**1**	
1978	January	4,439	3,054	194	1	213,411
	February	4,831	2,937	209	16	165,830
	March	4,089	2,999	187	0	137,877
	April	3,092	2,941	100	6	136,240
	May	3,044	3,208	119	1	145,046
	June	2,837	3,105	146	0	157,515
	July	2,514	3,110	149	4	180,513
	August	2,779	3,278	143	4	200,351
	September	2,653	3,172	163	2	220,794
	October	3,068	3,286	178	2	233,066
	November	3,568	3,352	223	3	233,207
	December	R4,135	R3,337	R254	2	R216,367
	AVERAGE	**R3,413**	**R3,150**	**R172**	**3**	
1979	January	4,959	3,091	213	NA	164,963
	February	4,501	2,929	196	NA	127,082
	March	R3,650	R3,023	R182	NA	R113,340
	April	*3,053*	*2,996*	*117*	NA	*116,425*
	AVERAGE	**4,037**	**3,012**	**177**	**NA**	

[1]See Definitions.
Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA, "Monthly Petroleum Statistics Report;" April 1979 data are EIA estimates based on data from the America Petroleum Institute, "Weekly Statistical Bulletin."

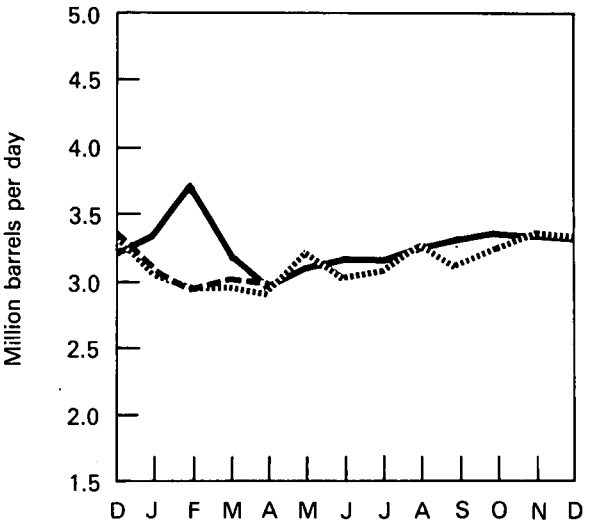
Petroleum

Distillate Fuel Oil

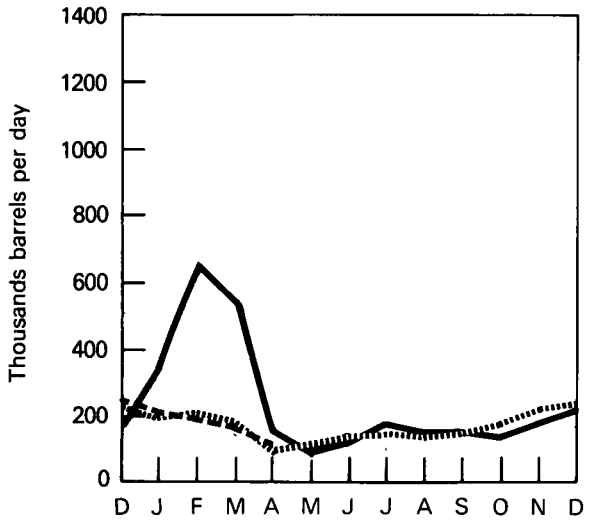
Domestic Demand



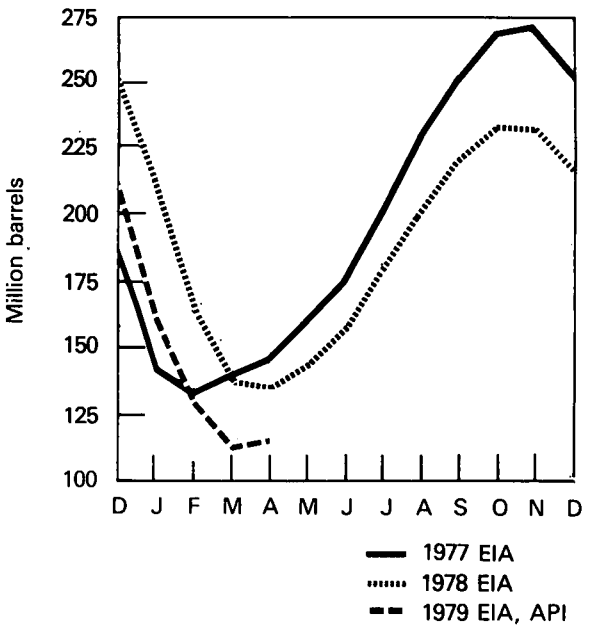
Production



Imports



Stocks



Petroleum

Residual Fuel Oil

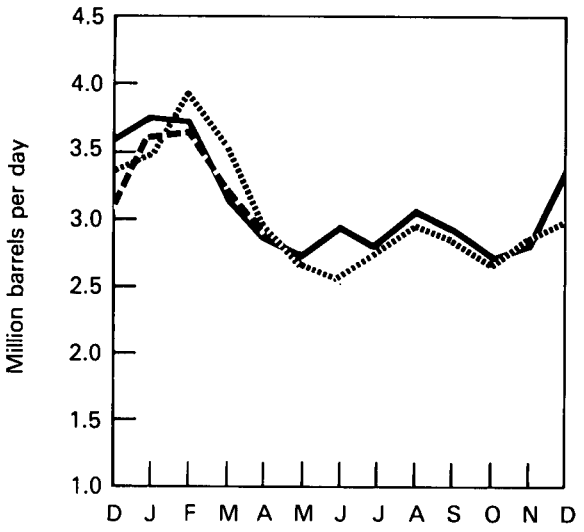
		Domestic Demand	Production	Imports	Exports	Stocks
			Thousand barrels per day			Thousand barrels
1973	**AVERAGE**	**2,822**	**971**	**1,853**	**23**	**‡53,480**
1974	**AVERAGE**	**2,639**	**1,070**	**1,587**	**14**	**‡59,694**
1975	**AVERAGE**	**2,462**	**1,235**	**1,223**	**15**	**‡74,126**
1976	**AVERAGE**	**2,801**	**1,377**	**1,413**	**12**	**‡72,344**
1977	January	3,761	1,892	1,615	2	R64,760
	February	3,719	1,955	1,996	8	71,429
	March	3,185	1,720	1,448	3	71,192
	April	2,874	1,691	1,140	3	70,186
	May	2,729	1,682	1,145	5	73,420
	June	2,958	1,720	1,181	2	72,036
	July	2,812	1,735	1,271	18	77,840
	August	3,049	1,635	1,441	9	78,798
	September	2,926	1,750	1,458	3	87,522
	October	2,707	1,749	1,218	2	95,896
	November	2,819	1,695	1,094	7	95,155
	December	3,354	1,839	1,348	12	89,993
	AVERAGE	**3,071**	**1,754**	**1,359**	**6**	
1978	January	3,496	1,872	1,358	R13	81,434
	February	3,964	1,801	1,565	10	64,852
	March	3,536	1,758	1,700	22	62,187
	April	2,992	1,554	1,565	7	66,229
	May	2,667	1,646	1,221	16	72,359
	June	2,618	1,582	1,012	4	71,916
	July	2,780	1,593	1,296	10	75,346
	August	2,939	1,636	1,264	25	73,748
	September	2,714	1,647	1,315	12	81,186
	October	2,631	1,575	1,121	8	83,359
	November	2,849	1,672	1,351	6	88,769
	December	R3,096	R1,756	R1,393	19	R90,204
	AVERAGE	**R3,018**	**R1,674**	**R1,345**	**13**	
1979	January	3,628	1,950	1,339	NA	82,298
	February	3,648	1,838	1,313	NA	68,296
	March	R3,235	R1,735	R1,629	NA	R71,722
	April	*2,877*	*1,678*	*1,402*	NA	*75,275*
	AVERAGE	**3,343**	**1,800**	**1,424**	**NA**	

Estimated data in italics. These are likely to be revised next month.
‡Total as of December 31.
R=Revised data.
NA=Not available.
Note: Bureau of Mines' stock coverage was expanded at the end of 1974 to include an additional 100 bulk terminal operators; the new coverage begins here with 1975.
Sources: 1973 through 1976: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" January 1978 through December 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through March 1979: EIA, "Monthly Petroleum Statistics Report;" April 1979 data are EIA estimates based on data from the American Petroleum Institute, "Weekly Statistical Bulletin."

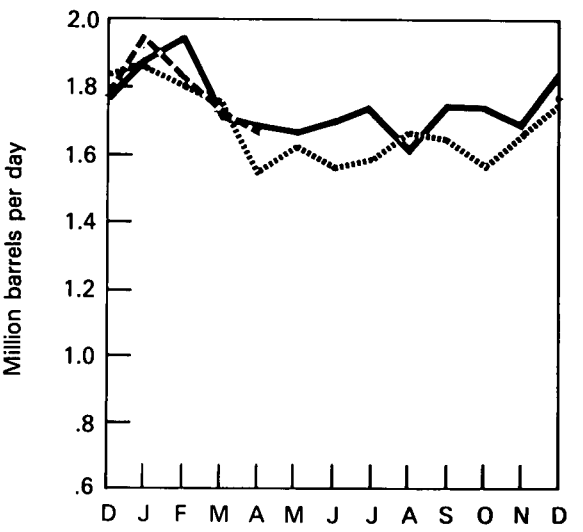
Petroleum

Residual Fuel Oil

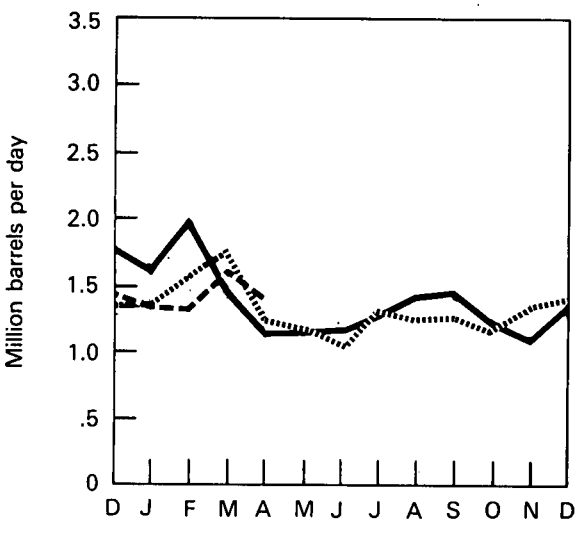
Domestic Demand



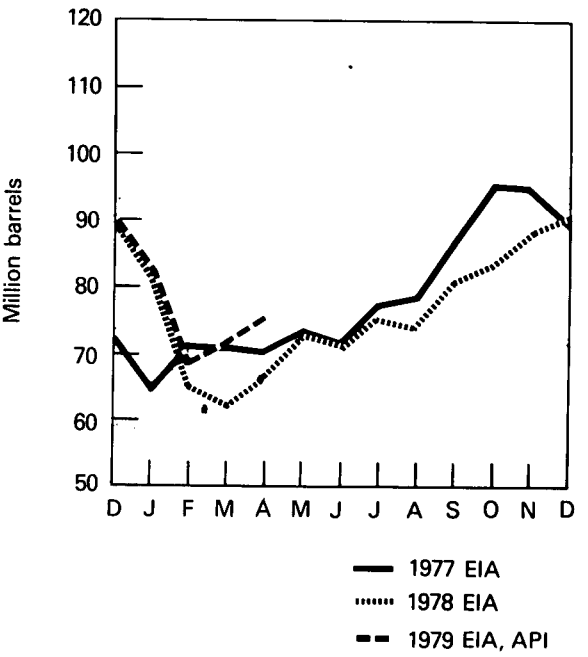
Production



Imports



Stocks



Petroleum

Natural Gas Plant Liquids, Including Liquefied Refinery Gases

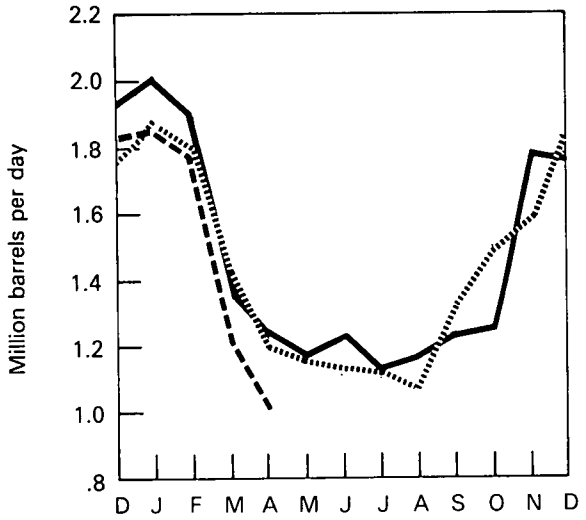
		Domestic Demand[1]	Production[1]		Used at Refineries[1]	Imports	Stocks[1]
			At processing plants	At refineries			
		Thousand barrels per day					Thousand barrels
1973	**AVERAGE**	**1,454**	**1,738**	**375**	**815**	**239**	**‡106,659**
1974	**AVERAGE**	**1,422**	**1,688**	**338**	**746**	**212**	**‡120,175**
1975	**AVERAGE**	**1,352**	**1,633**	**311**	**710**	**185**	**‡132,653**
1976	**AVERAGE**	**1,407**	**1,603**	**340**	**725**	**196**	**‡124,518**
1977	January	1,938	1,549	323	735	244	106,445
	February	1,920	1,589	336	699	270	94,037
	March	1,360	1,687	331	690	241	99,942
	April	1,234	1,664	336	673	199	108,128
	May	1,174	1,620	397	614	165	119,910
	June	1,239	1,616	364	622	203	129,223
	July	1,137	1,609	381	594	157	141,542
	August	1,185	1,593	360	659	204	150,755
	September	1,209	1,585	352	654	148	157,089
	October	1,412	1,633	353	710	168	157,615
	November	1,589	1,627	349	700	187	153,452
	December	1,762	1,637	345	732	254	144,902
	AVERAGE	**1,427**	**1,618**	**352**	**673**	**203**	
1978	January	1,867	1,557	327	645	201	130,797
	February	1,802	1,562	338	659	207	120,274
	March	1,429	1,590	362	601	132	121,317
	April	1,161	1,619	349	599	100	130,002
	May	1,170	1,530	363	498	109	139,581
	June	1,126	1,583	368	649	109	147,540
	July	1,125	1,558	348	562	122	157,525
	August	1,076	1,556	337	657	93	164,536
	September	1,320	1,546	379	645	86	165,537
	October	1,477	1,540	352	660	116	161,006
	November	1,588	1,602	357	757	122	152,476
	December	R1,829	R1,566	R363	R745	R258	R140,052
	AVERAGE	**R1,421**	**R1,567**	**R354**	**R639**	**R138**	
1979	January†	*1,855*	*1,534*	*324*	*602*	*135*	*136,000*
	February†	*1,770*	*1,560*	*334*	*617*	*140*	*125,500*
	March†	*1,215*	*1,568*	*338*	*590*	*130*	*126,000*
	April†	*1,150*	*1,567*	*333*	*577*	*115*	*134,000*
	AVERAGE	**1,494**	**1,557**	**332**	**596**	**130**	

[1]See Explanatory Note 7.
‡Total as of December 31.
†Preliminary data.
Estimated data in italics. These are likely to be revised next month.
R=Revised data.
Source: 1973 through 1977: Bureau of Mines *Mineral Industry Surveys*, "Petroleum Statement, Annual;" January 1978 through December 1978: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Monthly;" January 1979 through April 1979: EIA estimates.

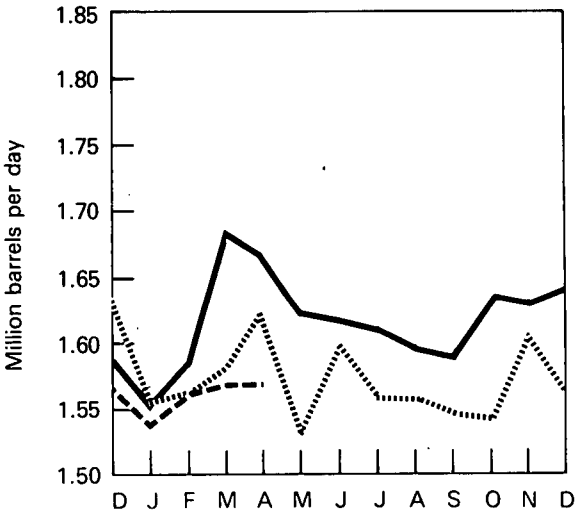
Petroleum

Natural Gas Plant Liquids

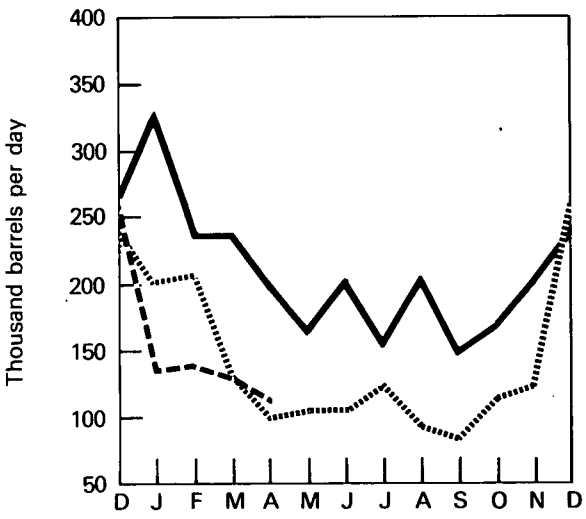
Domestic Demand



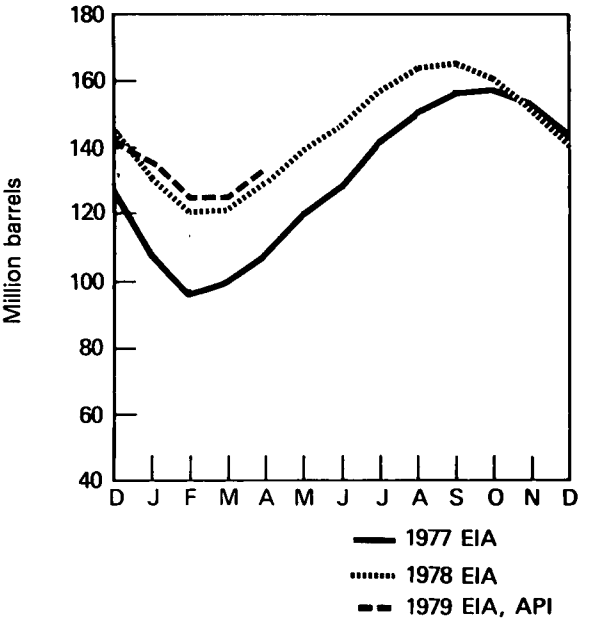
Production at Processing Plants



Imports



Stocks



Petroleum

Domestic Petroleum Supply and Demand

	1977 Actual				
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Year
	Thousand barrels per day				
Supply					
Crude oil and lease condensate production	8,024	8,107	8,295	8,546	8,245
Natural gas plant liquids production	1,609	1,633	1,596	1,632	1,618
Other hydrocarbon supply	43	54	52	52	50
Crude oil imports[1]	6,543	6,900	6,633	6,302	6,594
Refined products imports[2]	2,866	1,841	2,115	1,960	2,193
Total new supply	19,085	18,535	18,691	18,492	18,700
Processing gain	522	460	547	567	524
Stock change—all oils[3]	-278	+1,192	+1,178	+8	+528
Total net supply	19,885	17,803	18,060	19,051	18,696
Unaccounted for crude oil[4]	+17	-15	-20	-5	-6
Demand					
Crude oil and refined products exports	210	246	259	255	243
Crude oil losses	15	16	16	16	16
Domestic demand for refined products[5]	19,677	17,526	17,765	18,775	18,431
Total demand	19,902	17,788	18,040	19,046	18,690

	1978 Actual					1979 Actual
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Year	1st Qtr.
	Thousand barrels per day					
Supply						
Crude oil and lease condensate production	8,514	8,777	8,774	R8,737	R8,701	8,335
Natural gas plant liquids production	1,570	1,577	1,554	R1,570	R1,567	1,554
Other hydrocarbon supply	56	48	56	R54	R53	54
Crude oil imports[1]	5,845	5,668	6,287	R6,475	R6,071	6,220
Refined products imports[2]	2,238	1,828	1,927	R1,994	R1,997	2,135
Total new supply	18,223	17,898	18,598	R18,830	R18,389	18,298
Processing gain	489	463	466	R550	492	518
Stock change—all oils[3]	-1,712	+63	+662	R-54	R-254	-1,380
Total net supply	20,424	18,298	18,402	R19,434	R19,135	20,196
Unaccounted for crude oil[4]	-126	+107	+63	R+195	R+64	-168
Demand						
Crude oil and refined products exports	246	349	389	R445	R361	NA
Crude oil losses	15	16	16	16	16	*16*
Domestic demand for refined products[5]	20,037	18,040	18,060	R19,168	R18,822	*20,012*
Total demand	20,298	18,405	18,465	R19,629	R19,199	*20,028*

[1]Excludes crude oil imported for the Strategic Petroleum Reserve.
[2]Includes plant condensate and unfinished oils.
[3]Excludes petroleum stored in the Strategic Petroleum Reserve.
[4]Balancing item resulting from statistical inconsistencies.
[5]Includes international bunkers.
Estimated data in italics. These are likely to be revised next month.
NA=Not available.
Note: 1978 data are preliminary.
Sources: 1977: Energy Information Administration (EIA) *Energy Data Reports*, "Petroleum Statement, Annual;" 1st, 2nd, 3rd and 4th Quarters 1978: EIA *Energy Data Reports*, "Petroleum Statement, Monthly;" 1st Quarter 1979: EIA, "Monthly Petroleum Statistics Report."

Natural Gas

Consumption of natural gas in April 1979 was an estimated 1,520 billion cubic feet (Bcf), slightly higher than in April 1978. Estimated consumption during the first 4 months of 1979 totaled 7,867 Bcf, about 0.5 percent less than during the period January through April 1978.

Production of dry natural gas in April 1979 was an estimated 1,540 Bcf. This was 2.0 percent lower than production in the previous April. Output during the first 4 months of 1979 totaled an estimated 6,336 Bcf, 1.6 percent less than during the comparable 1978 period.

Imports of natural gas in April 1979 are estimated at 106 Bcf, 35.9 percent higher than in the previous April. During the first 4 months of 1979 imports of natural gas totaled an estimated 420 Bcf, 28.0 percent above those for the comparable 1978 period. These increases were largely accounted for by the receipts of Algerian liquefied natural gas (LNG) during the period January through April 1979, equivalent to approximately 72 Bcf at the the large-scale LNG receiving terminals at Cove Point, Maryland, and Elba Island, Georgia.

Working gas* stocks in underground natural gas storage reservoirs at the end of April 1979 totaled 1,335 Bcf, 8.4 percent higher than what was available a year earlier. Net injections into storage during April 1979 were 109 Bcf, almost the same as in April 1978.

Domestic producer sales to major interstate pipeline companies in February 1979 totaled 819 Bcf, 8.3 percent above sales for the previous February.

*Gas available for withdrawal.

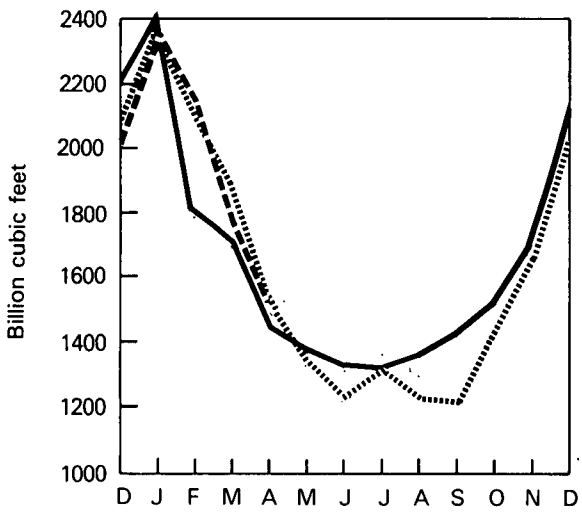
Natural Gas

		Domestic Consumption[1]	Production[1]		Domestic Producer Sales to Major Interstate Pipelines	Imports	Exports
			Marketed	Dry			
		Billion cubic feet					
1973	**TOTAL**	**22,049**	**22,648**	**21,731**	**12,067**	**1,033**	**77**
1974	**TOTAL**	**21,223**	**21,601**	**20,714**	**11,462**	**959**	**77**
1975	**TOTAL**	**19,538**	**20,109**	**19,237**	**10,652**	**953**	**73**
1976	**TOTAL**	**19,946**	**19,952**	**19,098**	**10,140**	**964**	**65**
1977	January	2,407	1,740	1,665	848	87	5
	February	1,816	1,674	1,602	807	92	4
	March	1,715	1,751	1,675	910	101	4
	April	1,439	1,644	1,573	830	84	3
	May	1,379	1,692	1,619	830	86	3
	June	1,333	1,648	1,577	789	76	5
	July	1,325	1,674	1,602	801	73	7
	August	1,364	1,645	1,574	784	76	5
	September	1,427	1,598	1,529	741	75	5
	October	1,518	1,628	1,558	831	85	5
	November	1,690	1,606	1,537	830	86	5
	December	2,108	1,725	1,652	882	90	5
	TOTAL	**19,521**	**20,025**	**19,163**	**9,883**	**1,011**	**56**
1978	January	2,385	1,739	1,672	862	87	5
	February	2,116	1,618	1,555	756	77	4
	March	1,889	1,714	1,644	861	86	4
	April	1,513	1,636	1,571	836	78	3
	May	1,353	1,629	1,564	819	76	4
	June	1,222	1,597	1,529	768	67	5
	July	1,308	1,668	1,599	821	70	6
	August	1,254	1,626	1,557	821	74	5
	September	1,222	1,544	1,477	800	75	5
	October	1,429	1,605	1,537	847	82	4
	November	1,643	1,580	1,511	838	89	5
	December	2,056	1,680	1,611	882	104	5
	TOTAL	**19,390**	**19,636**	**18,827**	**9,911**	**965**	**55**
1979	January	R2,377	R1,714	R1,646	890	100	5
	February	2,140	*1,590*	*1,530*	819	R94	4
	March	R1,830	*1,690*	*R1,620*	NA	*120*	3
	April	*1,520*	*1,610*	*1,540*	NA	*106*	3
	TOTAL (Year to date)	**7,867**	**6,604**	**6,336**	**NA**	**420**	**15**

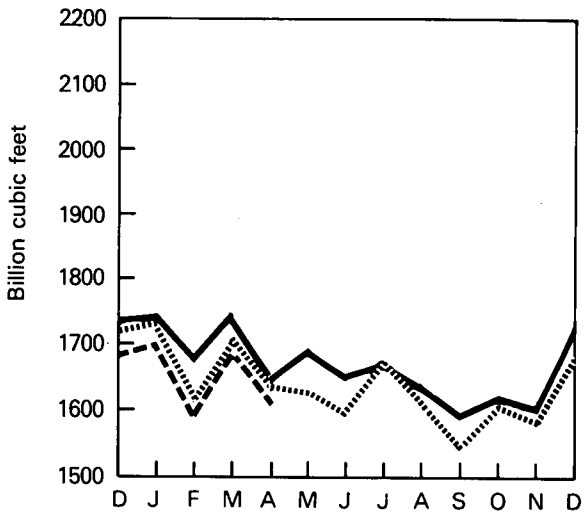
[1]See Explanatory Note 8.
Estimated data in italics. These are likely to be revised next month.
R=Revised data.
NA=Not available.
Note: All monthly Domestic Consumption and 1978 and 1979 Exports data are estimated.
Sources: Domestic Consumption–Energy Information Administration (EIA) estimates; Marketed Production, Imports, and Exports–Bureau of Mines *Mineral Industry Surveys*, "Natural Gas, Monthly" through June 1977; July 1977 forward, EIA *Energy Data Reports*, Natural Gas, Monthly; Domestic Producer Sales—Federal Power Commission Form 11, "Monthly Statement of Gas Operating Revenues, Sales."

Natural Gas

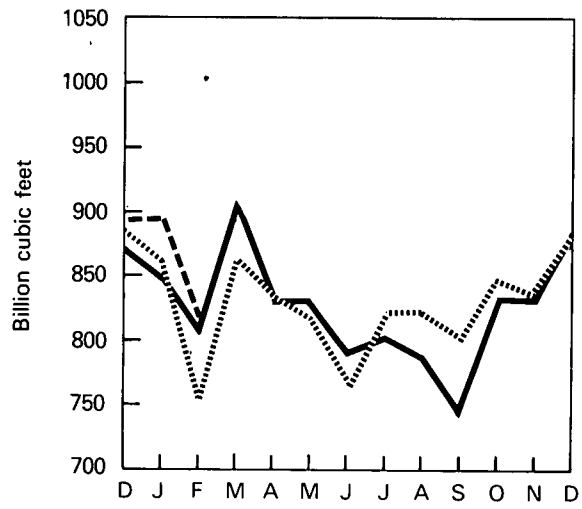
Domestic Consumption



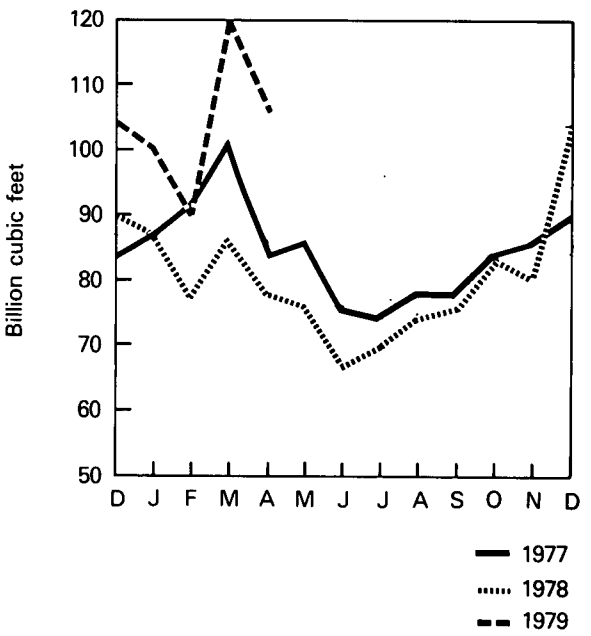
Marketed Production



Domestic Producer Sales to Major Interstate Pipelines



Imports

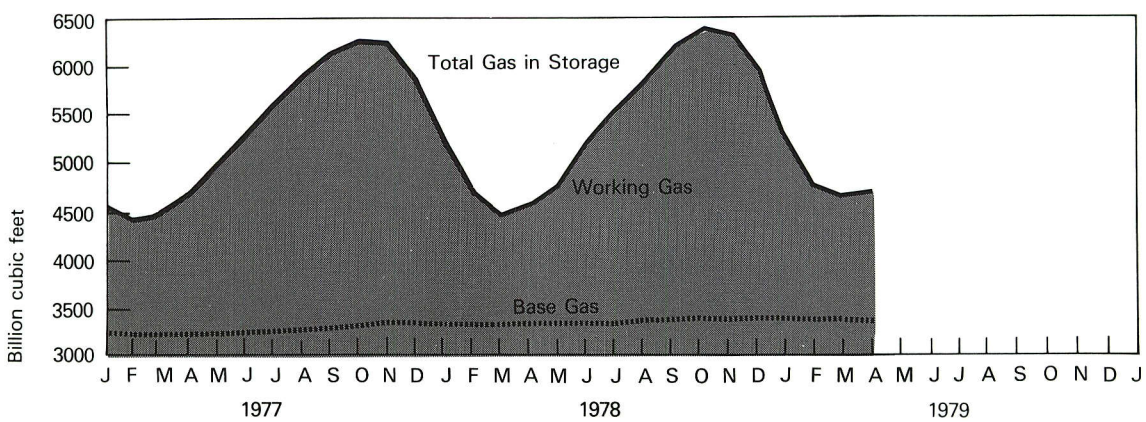


Natural Gas

Natural Gas in Underground Storage[1]

		Total Gas in Storage	Base Gas	Working Gas	Storage Injections	Storage Withdrawals	Net Storage Injections[2]
				Billion cubic feet			
1975		**‡5,358**	**‡3,150**	**‡2,208**	**NA**	**NA**	**NA**
1976		**‡5,231**	**‡3,310**	**‡1,921**	**1,952**	**2,074**	**(122)**
1977	January	4,580	3,293	1,287	18	670	(652)
	February	4,446	3,283	1,163	101	235	(134)
	March	4,501	3,286	1,215	187	132	55
	April	4,713	3,286	1,427	256	43	213
	May	5,024	3,293	1,731	329	17	312
	June	5,330	3,300	2,030	317	12	305
	July	5,665	3,317	2,348	348	15	333
	August	5,945	3,346	2,599	290	21	269
	September	6,188	3,364	2,824	262	2	260
	October	6,302	3,373	2,929	157	44	113
	November	6,224	3,403	2,821	84	160	(76)
	December	5,844	3,377	2,467	41	416	(375)
1978	January	5,193	3,374	1,819	21	668	(647)
	February	4,683	3,373	1,310	21	530	(509)
	March	4,497	3,374	1,123	92	278	(186)
	April	4,608	3,377	1,231	179	68	111
	May	4,870	3,379	1,491	291	30	261
	June	5,217	3,381	1,836	365	18	347
	July	5,550	3,386	2,164	349	16	333
	August	5,904	3,403	2,501	359	12	347
	September	6,224	3,411	2,813	329	9	320
	October	6,402	3,444	2,958	209	28	181
	November	6,352	3,425	2,927	82	135	(53)
	December	5,999	3,459	2,540	33	384	(351)
1979	January	5,348	3,458	1,890	21	673	(652)
	February	4,806	3,457	1,349	23	566	(543)
	March	R4,695	R3,459	1,236	R94	R205	R(111)
	April	4,762	3,427	1,335	182	73	109

Gas in Storage



[1]See Explanatory Note 9.
[2]Net Storage Injections=storage injection minus storage withdrawal. Parentheses indicate withdrawal greater than injection.
‡Total as of December 31.
NA=Not available.
Sources: Federal Energy Administration Form G318-M-O and Federal Power Commission Form 8, "Underground Gas Storage Report."

Part 5 Resource Development

Oil and Gas Exploration and Development

The rotary rig count decreased to 1,943 in April 1979, down from the 1,970 count the month before. This represents an 11.6 percent decrease from the April 1978 count of 2,198 rotary rigs.

Wells completed in April 1979 totaled 3,151. This is an 8.7 percent decrease in the number drilled compared to the number drilled during April 1978.

Oil well completions in April 1979 were down 16.9 percent (at 1,138) from April 1978 (1,369 completions). The number of gas wells completed increased. In April 1979, 1,083 wells were completed, an 11.5 percent increase over the previous year. Dry holes were down 16.4 percent (930 as compared to 1,112 of the previous April). Total footage drilled fell 8.5 percent (16,069 as compared to 17,559 the year before).

Resource Development

Oil and Gas Exploration and Development

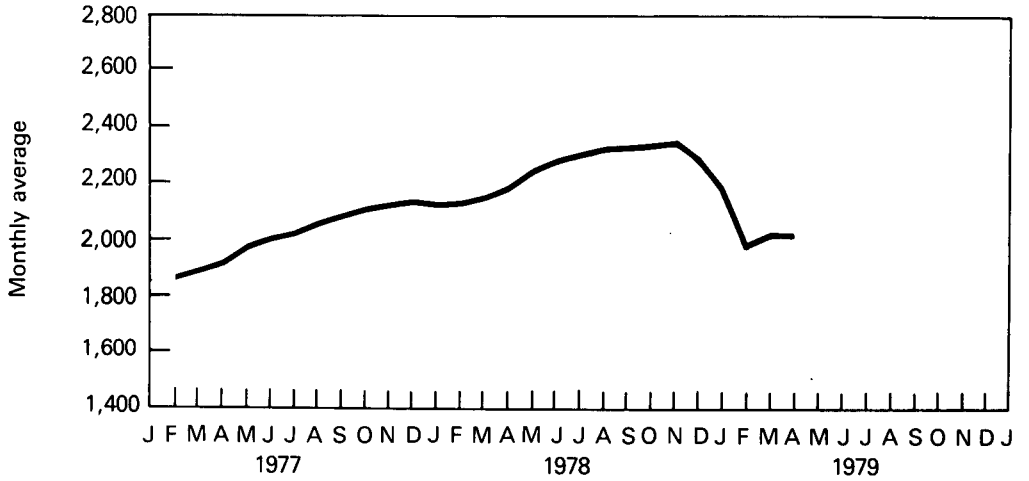
		Rotary Rigs in Operation		Exploratory and Development Wells Drilled[1]				Total Footage of Wells Drilled[1]
		Monthly Average		Oil	Gas	Dry	Total	Thousand feet
1973	**AVERAGE**	**1,194**	**TOTAL**	**9,902**	**6,385**	**10,305**	**26,592**	**136,391**
1974	**AVERAGE**	**1,475**	**TOTAL**	**12,784**	**7,240**	**11,674**	**31,698**	**150,551**
1975	**AVERAGE**	**1,660**	**TOTAL**	**16,408**	**7,580**	**13,247**	**37,235**	**174,434**
1976	**AVERAGE**	**1,656**	**TOTAL**	**17,059**	**9,085**	**13,621**	**39,765**	**181,780**
1977	January	1,850		1,391	732	1,096	3,219	14,517
	February	1,856		1,321	705	999	3,025	14,443
	March	1,887		1,817	958	1,297	4,072	19,400
	April	1,907		1,405	818	1,059	3,282	15,523
	May	1,982		1,382	877	1,150	3,409	16,702
	June	2,008		1,720	952	1,270	3,942	18,767
	July	2,023		1,304	724	1,022	3,050	14,529
	August	2,066		1,400	961	1,179	3,540	16,838
	September	2,084		1,924	1,105	1,288	4,317	19,333
	October	2,101		1,562	1,024	1,254	3,840	18,000
	November	2,113		1,785	1,091	1,447	4,323	19,537
	December	2,141		1,875	1,387	1,569	4,831	21,365
	AVERAGE	**2,001**	**TOTAL**	**18,912**	**11,378**	**14,692**	**44,982**	**210,848**
1978	January	2,128		1,184	783	1,233	3,200	15,394
	February	2,135		1,486	851	1,239	3,576	16,933
	March	2,158		1,499	1,247	1,420	4,166	20,392
	April	2,198		1,369	971	1,112	3,452	17,559
	May	2,249		1,209	1,004	1,166	3,379	17,189
	June	2,286		1,812	1,071	1,489	4,372	21,115
	July	2,307		1,503	985	1,191	3,679	17,258
	August	2,325		1,516	1,085	1,290	3,891	18,440
	September	2,332		1,619	1,227	1,511	4,357	21,234
	October	2,346		1,395	1,102	1,441	3,938	19,109
	November	2,356		1,294	1,027	1,308	3,629	17,805
	December	2,286		1,861	1,588	1,828	5,277	24,108
	AVERAGE	**2,259**	**TOTAL**	**R17,775**	**R13,064**	**R16,218**	**R47,057**	**R227,110**
1979	January	2,199		1,372	996	1,278	3,646	17,963
	February	R2,064		1,463	1,139	1,076	3,678	18,017
	March	R1,970		R1,544	R1,343	R1,372	R4,259	R21,175
	April	1,943		1,138	1,083	930	3,151	16,069
	AVERAGE (4 months)	**2,044**	**TOTAL** (Year to date)	**5,517**	**4,561**	**4,656**	**14,734**	**73,224**

[1]Excludes service wells and stratigraphic and core tests.
Note: Totals reflect subsequent data revisions and therefore may not agree with cumulative monthly data.
Sources: Rotary Rigs: Hughes Tool Company "Rotary Rigs Running – By State;" Wells: Data compiled by the American Petroleum Institute, "Monthly Drilling Report" and "Quarterly Review of Drilling Statistics for the United States."

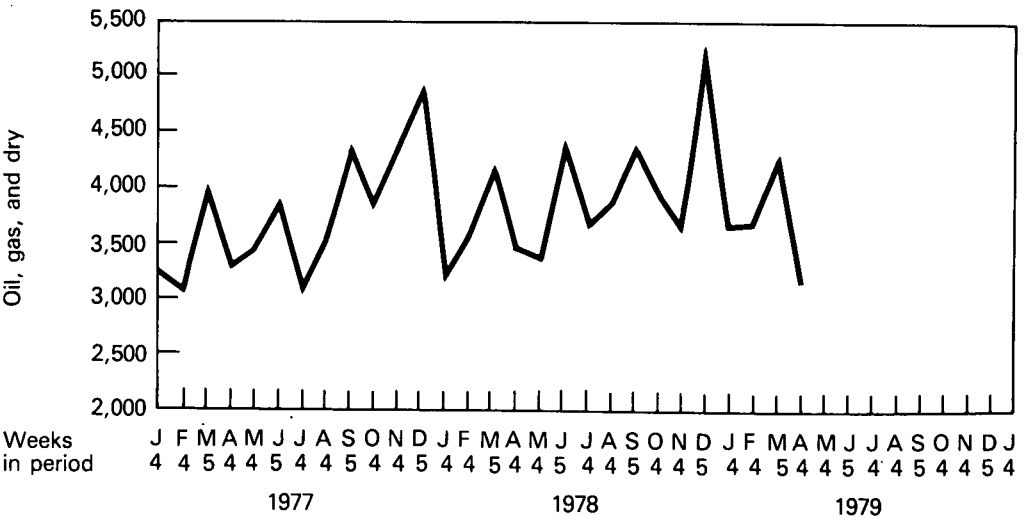
Resource Development

Oil and Gas Exploration and Development

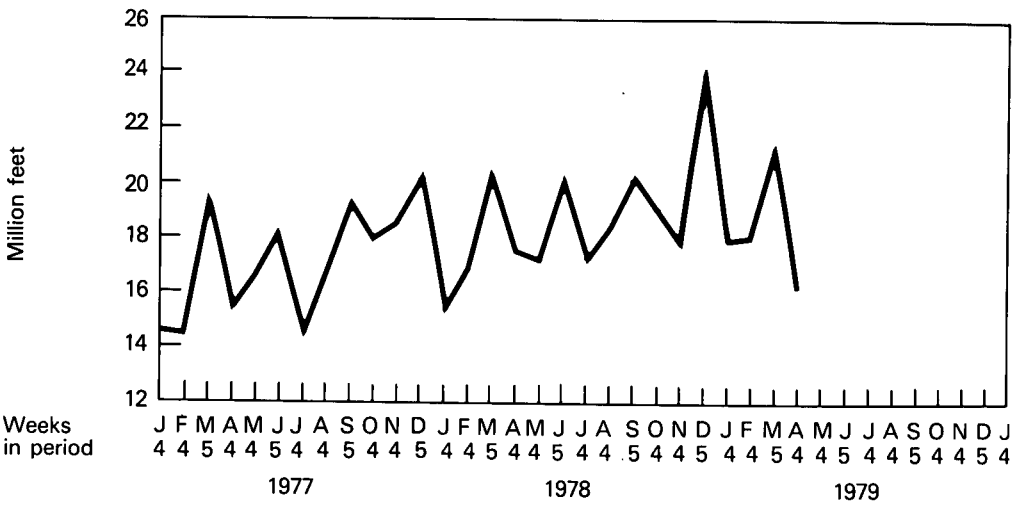
Rotary Rigs in Operation



Total Wells Drilled



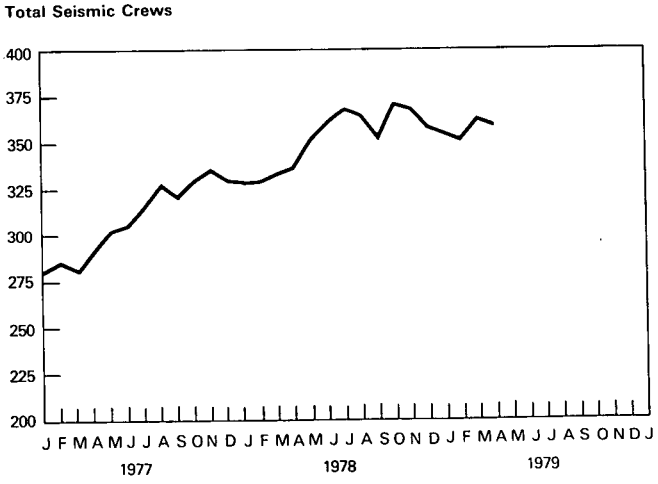
Total Footage of Wells Drilled



Resource Development

Oil and Gas Exploration and Development

		Crews Engaged in Seismic Exploration			Line Miles of Seismic Exploration		
		Offshore	Onshore	Total	Offshore[1]	Onshore[1]	Total[1]
		Monthly average			Annual average		
1973	**AVERAGE**	**23**	**227**	**250**	**21,579**	**10,597**	**32,175**
1974	**AVERAGE**	**31**	**274**	**305**	**28,482**	**13,219**	**41,701**
1975	**AVERAGE**	**30**	**254**	**284**	**25,773**	**12,558**	**38,331**
1976	**AVERAGE**	**25**	**237**	**262**	**18,859**	**11,910**	**30,769**
1977	January	26	254	280			
	February	27	259	286			
	March	22	260	282			
	April	26	266	292			
	May	29	272	301			
	June	31	274	305			
	July	30	285	315			
	August	31	295	326			
	September	29	291	320			
	October	28	302	330			
	November	26	309	335			
	December	26	303	329			
	AVERAGE	**27**	**281**	**308**	**10,390**	**10,006**	**20,396**
1978	January	26	302	328			
	February	23	305	328			
	March	20	314	334			
	April	21	315	336			
	May	21	330	351			
	June	26	336	362			
	July	26	341	367			
	August	27	338	365			
	September	21	333	354			
	October	29	342	371			
	November	27	342	369			
	December	30	328	358			
	AVERAGE	**R25**	**R327**	**R352**			
1979	January	28	327	355			
	February	29	321	350			
	March	32	332	364			
	April	30	330	360			
	AVERAGE	**30**	**327**	**357**			



[1]Data not yet available for 1978 and 1979.
NA=Not available.
Source: Society of Exploration Geophysicists, "Monthly Seismic Crew Count" and annual reports published in their bulletin,

Coal

Coal production in April 1979 was 63.8 million tons, 6.2 percent above the April 1978 output level. Production in the first 4 months of 1979 totaled 229.3 million tons, an increase of 56.3 percent over the amount produced in the first 4 months of 1978.

Domestic consumption of coal in March 1979 totaled 54.5 million tons, an increase of 23.1 percent over the amount consumed during March 1978. In the first quarter of 1979, coal consumption totaled 168.5 million tons, an increase of 23.1 million tons, or 15.9 percent, over consumption of a year before. Electric utility coal consumption* was 130.6 million tons in the first quarter of 1979, an increase of 16.1 percent over the 112.5 million tons consumed in the first quarter of 1978. Coke plants, the second largest coal consuming sector, used 19.1 million tons in the first quarter of 1979, an increase of 5.4 million tons over the amount consumed in the same period of 1978. Total coal consumption by general industry including shipments to retail dealers, totaled 18.8 million tons during the first 3 months of 1979, 0.3 million tons less than the amount consumed in the first quarter of 1978.

Total stocks of bituminous coal and lignite held by consumers declined from the 141.6 million ton level at the end of the fourth quarter of 1978 to 130.2 million tons at the end of the first quarter of 1979. Electric utility stockpiles* of bituminous coal and lignite declined from 126.0 million tons to 116.1 million tons during the first quarter of 1979. Bituminous coal stocks held by coke plants declined from 8.2 million tons to 7.4 million tons, and general industry stockpiles of bituminous coal and lignite declined from 7.1 million tons to 6.5 million tons in the first quarter of 1979. Stocks of bituminous coal and lignite in retail dealer yards declined from 0.3 million tons to 0.2 million tons during the first quarter of 1979.

Total imports of coal in the first quarter of 1979 totaled 0.6 million tons, 0.1 million tons below the level of imports during the first quarter of 1978. Australia, Poland, and South Africa provided 95 percent of total U.S coal imports. Exports of coal during the first quarter of this year totaled 11.0 million tons, an increase from the 1.9 million tons exported during the first quarter of 1978. The extremely low level of last year's first quarter exports was due to the coal strike in most of the mines in the Appalachian coalfields, where most of the export tonnage originates. Japan was the largest customer for U.S. coal in the first quarter followed by Italy and France which together received 58.8 percent of total coal exports.

*Includes bituminous, lignite, and anthracite consumption, and excludes petroleum coke consumption. Stocks include bituminous coal and lignite only.

Coal

Bituminous, Lignite, and Anthracite

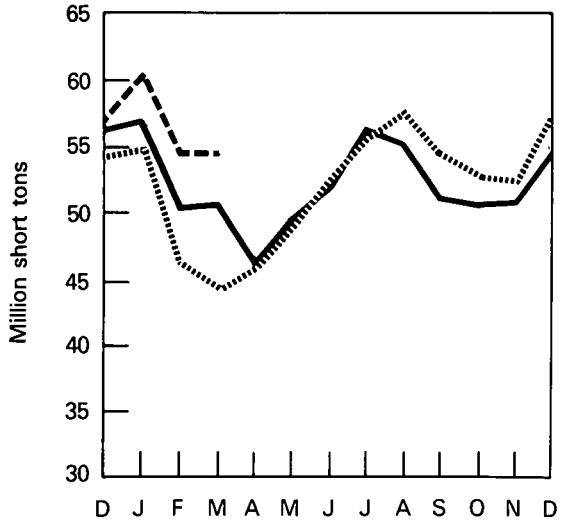
		Production	Domestic Consumption	Imports	Exports
			Thousand short tons		
1972	**Total**	**602,492**	**524,263**	**47**	**56,740**
1973	**Total**	**598,568**	**562,583**	**127**	**53,587**
1974	**Total**	**610,023**	**558,402**	**2,080**	**60,661**
1975	**Total**	**654,641**	**562,643**	**940**	**66,309**
1976	**Total**	**684,913**	**603,790**	**1,203**	**60,021**
1977	January	45,062	56,871	123	2,180
	February	49,671	50,377	75	3,121
	March	67,343	50,684	31	3,449
	April	61,021	46,767	170	5,655
	May	63,019	49,557	94	5,757
	June	63,638	52,209	92	6,045
	July	49,962	56,461	112	5,222
	August	58,323	55,315	100	4,334
	September	70,030	51,022	175	5,131
	October	68,180	50,654	274	4,931
	November	69,546	51,194	R170	4,566
	December	31,410	54,168	231	3,921
	TOTAL	**697,205**	**625,279**	**R1,647**	**54,312**
1978	January	23,545	R54,758	139	894
	February	23,860	R46,422	159	588
	March	39,290	R44,231	231	377
	April	60,050	R45,953	417	2,613
	May	69,300	R49,184	323	4,473
	June	66,225	R52,487	291	5,429
	July	54,195	R55,876	313	3,574
	August	64,945	R57,705	227	3,634
	September	58,355	R54,405	196	3,454
	October	70,480	R52,771	371	5,053
	November	69,820	R52,665	98	6,030
	December	60,180	R57,067	188	4,572
	TOTAL	**660,245**	**R623,524**	**2,953**	**40,691**
1979	January	52,540	R60,278	186	3,605
	February	47,180	R53,794	R252	R2,726
	March	65,830	54,463	123	4,642
	April	63,775	NA	NA	NA
	TOTAL (Year to date)	**229,325**	**168,535**	**561**	**10,973**

R=Revised data.
NA=Not available.
Source: Exports and Imports—U.S. Department of Commerce, Bureau of the Census; remaining data—Bureau of Mines *Mineral Industry Surveys*, "Weekly Coal Report" through September 1977; and Energy Information Administration *Energy Data Reports*, "Weekly Coal Report" for October 1977 forward.

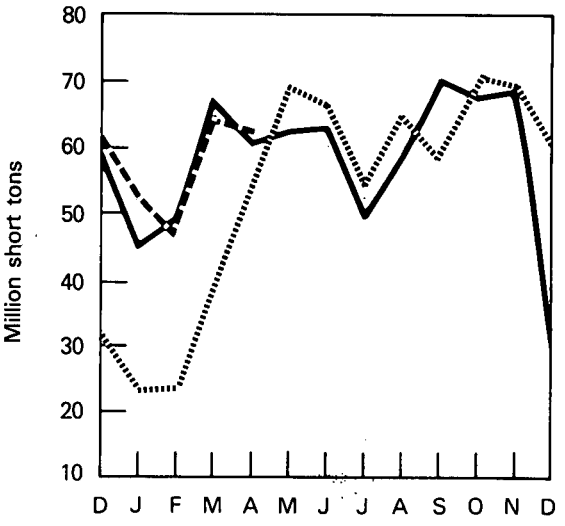
Coal

Bituminous, Lignite, and Anthracite

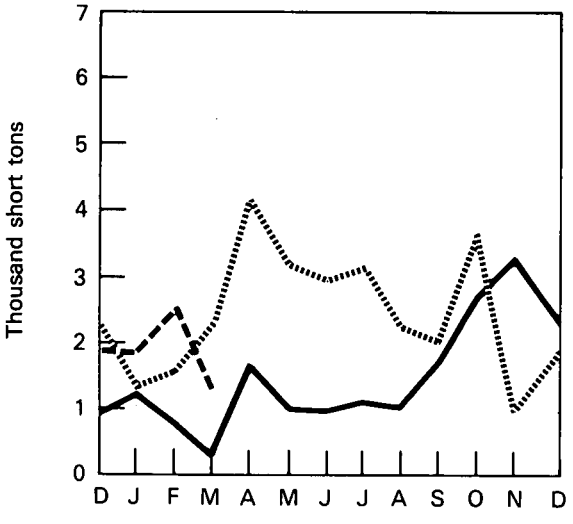
Domestic Consumption



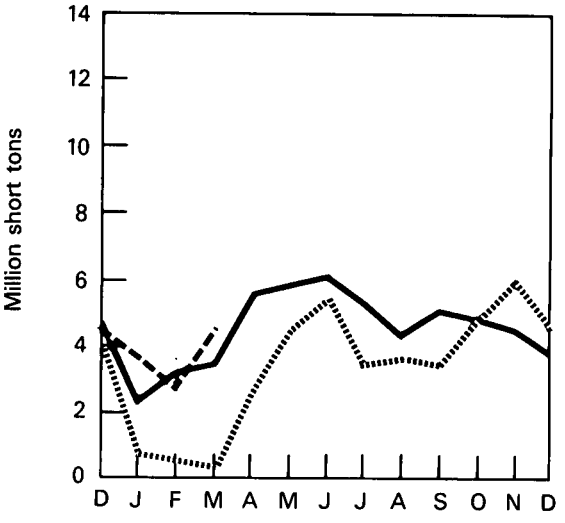
Production



Imports



Exports



Coal

Bituminous and Lignite

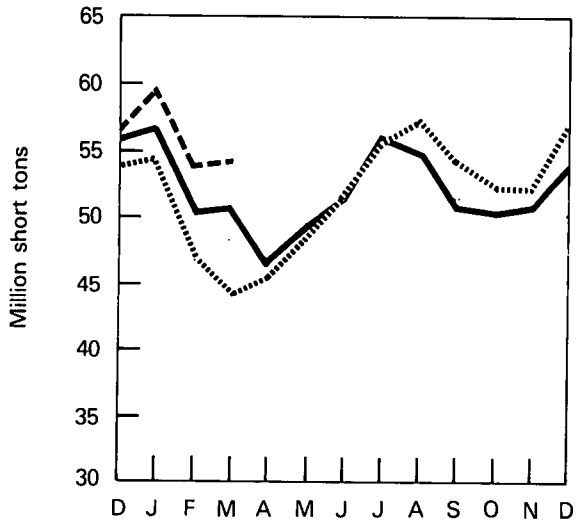
		Production[1]	Domestic Consumption[1]	Imports	Exports[2]	Stocks[3]
		Thousand short tons				
1973	**TOTAL**	**591,738**	**556,912**	**127**	**52,870**	**103,412**
1974	**TOTAL**	**603,406**	**552,954**	**2,080**	**59,926**	**95,477**
1975	**TOTAL**	**648,438**	**557,535**	**940**	**65,669**	**127,150**
1976	**TOTAL**	**678,685**	**598,750**	**1,203**	**59,406**	**133,555**
1977	January	44,679	56,561	123	2,143	118,116
	February	49,260	50,044	75	3,079	114,408
	March	66,776	50,212	31	3,390	122,592
	April	60,549	46,349	170	5,637	129,877
	May	62,499	49,157	94	5,673	137,733
	June	63,095	51,728	92	6,019	145,375
	July	49,584	56,183	112	5,158	137,593
	August	57,751	54,834	100	4,279	137,071
	September	69,510	50,632	175	5,037	145,253
	October	67,660	50,230	274	4,871	158,322
	November	68,979	50,738	R170	4,491	173,251
	December	31,002	53,808	231	3,910	152,264
	TOTAL	**691,344**	**620,476**	**R1,647**	**53,687**	
1978	January	23,115	R54,418	139	870	118,334
	February	23,520	R46,022	159	555	93,126
	March	38,765	R43,791	231	325	83,779
	April	59,530	R45,493	417	2,594	96,582
	May	68,760	R48,754	323	4,411	110,887
	June	65,565	R51,937	291	5,398	122,617
	July	53,640	R55,426	313	3,531	119,797
	August	64,395	R57,225	227	3,568	122,649
	September	57,775	R53,925	196	3,338	125,565
	October	69,860	R52,271	371	4,911	133,635
	November	69,245	R52,190	98	5,930	142,643
	December	59,630	R56,637	188	4,394	141,608
	TOTAL	**653,800**	**R618,089**	**2,953**	**39,825**	
1979	January	52,085	R59,878	186	3,526	R132,212
	February	46,820	R53,404	R252	R2,691	R125,091
	March	65,370	54,068	123	4,592	R130,210
	April	63,325	NA	NA	NA	NA
	TOTAL (Year to date)	**227,600**	**167,350**	**561**	**10,809**	**NA**

[1]See Explanatory Note 10.
[2]Bituminous coal only.
[3]Total stocks held by utilities, industrial consumers, and retail dealers at end of year or month.
R=Revised data.
NA=Not available.
Source: Exports and Imports—U.S. Department of Commerce, Bureau of the Census; remaining data—Bureau of Mines *Mineral Industry Surveys*, "Weekly Coal Report" through September 1977; and Energy Information Administration *Energy Data Reports*, "Weekly Coal Report" for October 1977 forward.

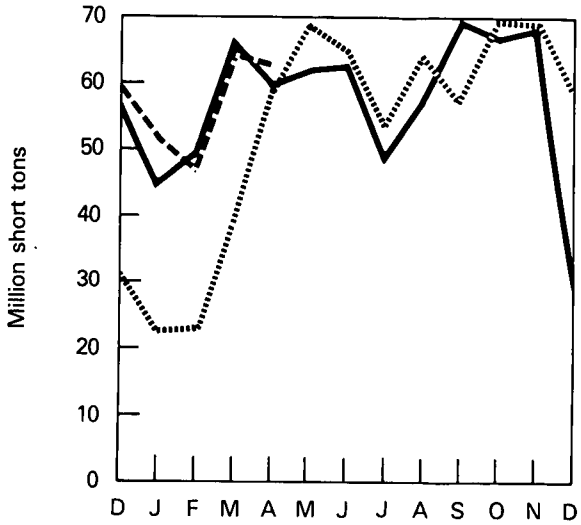
Coal

Bituminous and Lignite

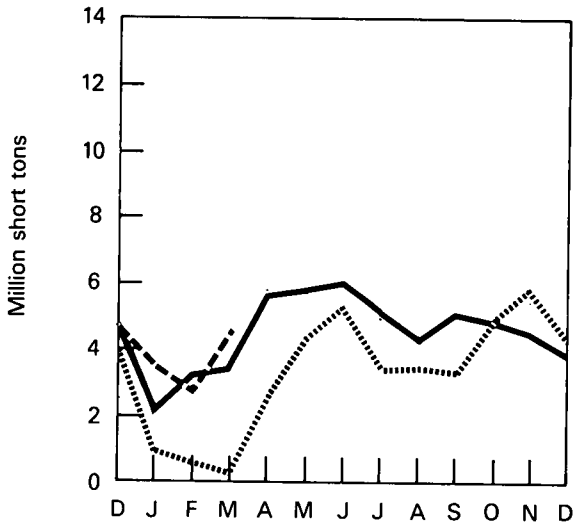
Domestic Consumption



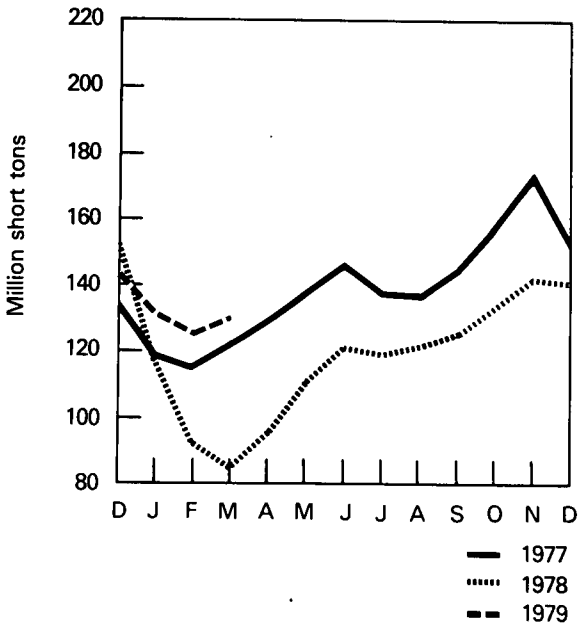
Production



Exports



Stocks

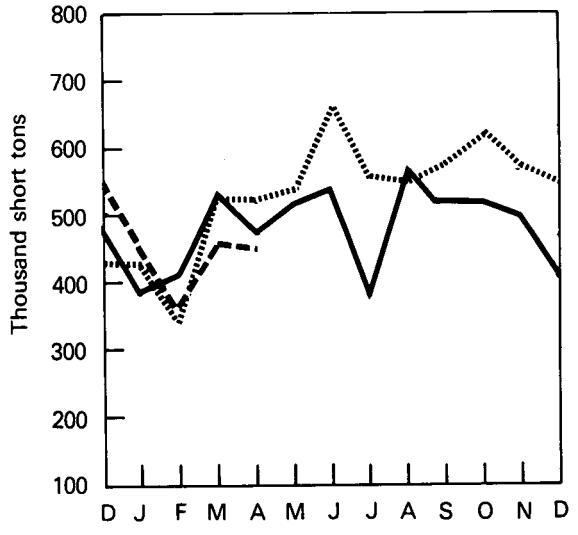


Coal

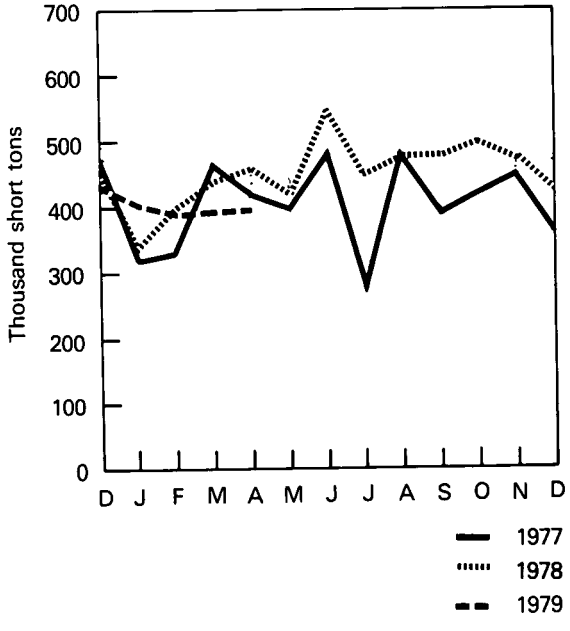
Anthracite

		Production	Domestic Consumption[1]	Imports	Exports
		Thousand short tons			
1973	**Total**	**6,830**	**5,671**	**NA**	**717**
1974	**Total**	**6,617**	**5,448**	**NA**	**735**
1975	**Total**	**6,203**	**5,108**	**NA**	**640**
1976	**Total**	**6,228**	**5,040**	**NA**	**615**
1977	January	383	310	NA	37
	February	411	333	NA	42
	March	567	472	NA	59
	April	472	418	NA	18
	May	520	400	NA	84
	June	543	481	NA	26
	July	378	278	NA	64
	August	572	481	NA	55
	September	520	390	NA	94
	October	520	424	NA	60
	November	567	456	NA	75
	December	408	360	NA	11
	TOTAL	**5,861**	**4,803**	**NA**	**625**
1978	January	430	340	NA	24
	February	340	400	NA	33
	March	525	440	NA	52
	April	520	460	NA	19
	May	540	430	NA	62
	June	660	550	NA	31
	July	555	450	NA	43
	August	550	480	NA	66
	September	580	480	NA	116
	October	620	500	NA	142
	November	575	475	NA	100
	December	550	430	NA	178
	TOTAL	**6,445**	**5,435**	**NA**	**866**
1979	January	455	400	NA	79
	February	360	390	NA	35
	March	460	395	NA	50
	April	450	400	NA	NA
	TOTAL (Year to date)	**1,725**	**1,585**	**NA**	**164**

Production



Apparent Domestic Consumption



[1]Apparent consumption, i.e., production minus exports, minus shipments to U.S. Armed Forces in Europe (monthly shipments to Armed Forces are estimated).
R=Revised data.
NA=Not available.
Source: Exports and Imports—U.S. Department of Commerce, Bureau of the Census; remaining data—Bureau of Mines *Mineral Industry Surveys*, "Weekly Coal Report" through September 1977; and Energy Information Administration *Energy Data Reports*, "Weekly Coal Report" for October 1977 forward.

Electric Utilities

March 1979 production of electricity by utilities was 183.0 billion kilowatt-hours, an increase of 5.6 percent over the March 1978 production-level. Coal-fired and gas-fired production totaled 85,218 and 24,944 million kilowatt-hours, an increase of 27.9 and 12.0 percent, respectively, over March 1978 levels. Nuclear and hydroelectric production totaling 24,335 and 26,013 million kilowatt-hours, respectively, increased 8.4 and 5.6 percent, respectively, above the March 1978 output levels. Oil-fired production at 22,079 million kilowatt-hours, declined 40.3 percent below the March 1978 level.

Sales of electricity to all ultimate consumers in the United States in March 1979 totaled 171.5 billion kilowatt-hours, and increase of 5.7 percent over March 1978 sales. Sales to residential consumers during March 1979 were 58.8 billion kilowatt-hours, an increase of 0.7 percent over sales for the corresponding month in 1978. Commericial sales were 37.9 billion kilowatt-hours, 4.6 percent more than the amount for March 1978. Sales to industrial consumers totaled 68.8 billion kilowatt-hours in March 1979, an increase of 11.8 percent over the March 1978 figure. Other sales decreased 0.5 percent to 6.0 billion kilowatt-hours.

Electric utility oil consumption during March 1979 was 38.4 million barrels, a 40.2 percent drop from the March 1978 level. Coal consumption for March 1979 was 41.8 million tons, 22.9 percent above the March 1978 rate, which was abnormally low due to the coal strike by the United Mine Workers of America. During March 1979 consumption of natural gas by electric utilities was 261.4 billion cubic feet, representing a 12.6 percent increase above the March 1978 consumption level.

On March 31,1979, coal stocks reached 116.1 million tons of bituminous coal and lignite and 2.2 million tons of anthracite coal. Stockpiles of bituminous coal and lignite were 3.6 percent above the previous month's level and 55.0 percent above the level of a year earlier. Anthracite stocks were 1.6 percent above the level of a month earlier and 3.8 percent above the level of a year earlier.

Petroleum stocks on March 31, 1979, totaled 111.8 million barrels, a decline of 13.8 percent below the level for the same month of 1978.

Electric Utilities

Net Electricity Production by Primary Energy Source

		Coal[1]	Petroleum[2]	Gas	Nuclear	Hydro-electric	Other[3]	Total
				Million kilowatt-hours				
1973	**TOTAL**	**847,651**	**314,343**	**340,858**	**83,479**	**272,083**	**2,294**	**1,860,710**
1974	**TOTAL**	**828,433**	**R300,931**	**320,065**	**113,976**	**301,032**	**2,703**	**1,867,140**
1975	**TOTAL**	**852,786**	**289,095**	**299,778**	**172,505**	**300,047**	**3,437**	**1,917,649**
1976	**TOTAL**	**944,391**	**319,988**	**294,624**	**191,104**	**283,707**	**3,883**	**2,037,696**
1977	January	89,829	43,378	19,953	22,152	20,700	359	196,372
	February	78,735	29,446	19,481	19,601	15,150	322	162,734
	March	77,492	R28,369	22,467	20,672	19,801	356	169,157
	April	70,866	25,862	21,297	19,867	18,642	319	156,853
	May	77,049	27,964	24,701	20,599	18,677	341	169,332
	June	83,117	28,971	29,621	21,517	17,226	335	180,787
	July	92,373	34,893	32,713	21,825	16,799	328	198,930
	August	90,730	32,326	33,291	22,750	16,712	317	196,126
	September	82,565	R26,366	30,938	19,630	16,425	342	176,265
	October	79,382	23,074	27,356	19,041	17,189	360	166,402
	November	79,468	24,863	22,566	19,458	20,398	347	167,099
	December	83,612	32,667	21,123	23,771	22,756	337	184,267
	TOTAL	**985,219**	**358,179**	**305,505**	**250,883**	**220,475**	**4,063**	**2,124,323**
1978	January	R85,003	R39,263	R22,310	25,833	R25,068	357	R197,834
	February	R70,567	R38,212	R20,370	21,833	R22,369	309	R173,659
	March	R66,620	R36,982	R22,269	22,449	24,630	264	R173,214
	April	R70,326	R24,978	R21,339	17,580	R25,306	208	R159,736
	May	R76,430	R24,368	R25,075	20,416	28,757	187	R175,234
	June	R84,033	R26,129	R30,618	22,185	R25,121	225	R188,311
	July	R89,606	R29,117	R34,247	25,007	R24,453	250	R202,681
	August	R93,454	R32,301	R32,582	25,599	22,185	318	R206,441
	September	R87,041	R26,640	R28,205	22,189	21,177	318	R185,571
	October	R82,082	R25,753	R25,232	22,997	R19,479	257	R175,800
	November	R81,725	R27,310	R22,003	24,901	R19,953	282	R176,172
	December	R88,860	R34,034	R21,130	25,415	R22,082	341	R191,862
	TOTAL	**R975,749**	**R365,088**	**R305,380**	**276,403**	**R280,579**	**3,316**	**R2,206,515**
1979	January	R94,983	R39,473	R22,092	R27,792	R25,093	R326	R209,759
	February	R84,743	R32,273	R21,845	25,911	R21,311	R285	R186,368
	March	85,218	22,079	24,944	24,335	26,013	382	182,971
	TOTAL (Year to date)	**264,944**	**93,825**	**68,881**	**78,038**	**72,417**	**993**	**579,098**

[1]Includes bituminous coal, lignite, and anthracite coal.
[2]Includes fuel oil No. 2, No. 4, No. 5, No. 6, crude oil, kerosene, and petroleum coke.
[3]Includes geothermal, refuse, and wood.
R=Revised data.
Note: Sum of components may not equal totals due to independent rounding.
Source: Federal Power Commission Form 4, "Monthly Power Plant Report".

Electric Utilities

Electricity Sales[1]

		Residential	Commercial	Industrial	Other[2]	Total
			Million kilowatt-hours			
1973	**TOTAL**	**579,231**	**388,266**	**686,085**	**59,326**	**1,712,909**
1974	**TOTAL**	**578,184**	**384,826**	**684,875**	**58,039**	**1,705,924**
1975	**TOTAL**	**584,712**	**401,674**	**675,271**	**68,153**	**1,729,810**
1976	**TOTAL**	**602,863**	**423,640**	**739,964**	**69,558**	**1,836,025**
1977	January	65,332	37,598	61,481	6,274	170,685
	February	61,423	36,105	60,439	5,770	163,737
	March	50,859	34,248	63,294	6,158	154,559
	April	44,414	33,180	63,278	5,425	146,297
	May	41,568	34,291	65,418	5,613	146,890
	June	48,419	37,658	66,064	5,601	157,742
	July	60,969	41,863	64,622	5,931	173,385
	August	62,282	42,483	66,300	5,831	176,896
	September	57,248	41,062	66,362	5,948	170,620
	October	48,741	36,655	66,295	5,982	157,673
	November	44,959	34,075	64,833	5,887	149,754
	December	54,919	35,714	63,906	6,068	160,606
	TOTAL	**641,133**	**444,932**	**772,292**	**70,488**	**1,928,844**
1978	January	65,455	38,125	R64,195	6,581	R174,356
	February	R64,140	R37,465	R60,823	R6,274	R168,703
	March	R58,391	R36,282	R61,506	6,032	R162,212
	April	46,928	33,484	63,129	5,342	148,883
	May	43,637	33,896	66,745	5,636	149,914
	June	50,577	38,624	69,098	5,821	164,120
	July	61,401	42,607	67,397	6,322	177,727
	August	63,483	43,499	70,419	6,139	183,540
	September	61,585	42,666	70,170	6,432	180,853
	October	50,765	37,944	70,396	6,057	165,162
	November	46,720	35,476	68,815	6,332	157,341
	December	56,391	37,244	67,577	6,268	167,479
	TOTAL	**R669,473**	**R457,312**	**R800,270**	**R73,236**	**R2,000,290**
1979	January	69,912	40,200	R67,341	6,689	R184,142
	February	67,470	39,670	66,847	6,192	180,179
	March	58,806	37,938	68,770	6,002	171,515
	TOTAL (Year to date)	**196,188**	**117,808**	**202,958**	**18,883**	**535,836**

[1]Electricity sales to all ultimate consumers.
[2]Includes street lighting and transportation uses.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: Federal Power Commission Form 5, "Monthly Statement of Electric Operating Revenue and Income."

Electric Utilities

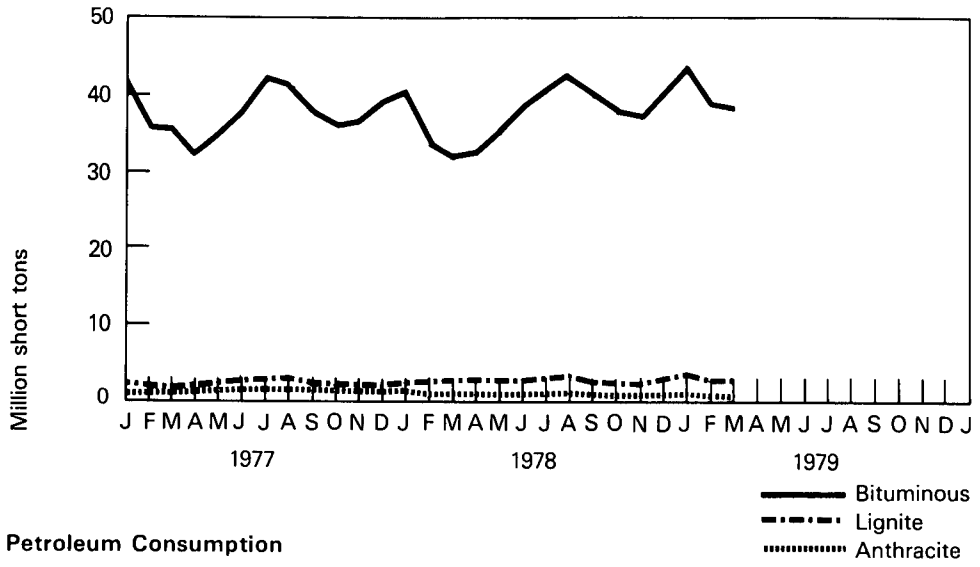
Primary Energy Resources Consumed to Produce Electricity

		Coal				Petroleum			Natural Gas
		Anthracite	Bituminous	Lignite	Total	Steam	Gas Turb./ Int. Comb.	Coke	
		Thousand short tons				Thousand barrels		Thousand short tons	Million cubic feet
1973	**TOTAL**	**1,443**	**376,975**	**10,794**	**389,212**	**513,190**	**47,058**	**507**	**3,660,172**
1974	**TOTAL**	**1,498**	**378,643**	**11,670**	**391,811**	**483,146**	**53,128**	**625**	**3,443,428**
1975	**TOTAL**	**1,480**	**388,523**	**15,960**	**405,962**	**467,221**	**38,907**	**70**	**3,157,669**
1976	**TOTAL**	**1,350**	**425,205**	**21,817**	**448,371**	**514,077**	**41,843**	**68**	**3,080,868**
1977	January	127	41,205	1,918	43,250	66,379	9,518	5	205,074
	February	114	35,828	1,718	37,660	47,659	3,150	5	200,413
	March	100	R 35,420	1,718	R 37,238	46,171	2,494	9	231,826
	April	120	32,117	1,802	34,039	42,218	2,213	12	223,081
	May	127	34,859	2,165	37,151	44,779	3,846	8	259,798
	June	129	37,626	2,384	40,139	46,249	4,300	9	310,669
	July	123	42,592	2,247	44,962	54,664	7,738	12	346,639
	August	125	41,678	2,354	44,158	51,950	4,641	11	350,718
	September	137	37,872	2,146	40,155	43,297	2,517	8	324,549
	October	108	36,160	2,099	38,367	38,071	1,895	6	284,788
	November	109	36,624	1,976	38,709	40,653	2,464	6	234,006
	December	106	39,069	2,123	41,298	52,780	4,061	7	219,639
	TOTAL	**1,425**	**R451,051**	**24,650**	**R477,126**	**574,869**	**48,837**	**98**	**3,191,200**
1978	January	101	R40,506	2,101	R42,708	R61,271	R8,256	10	R229,187
	February	88	R33,556	2,189	R35,832	R59,636	R7,709	55	R211,169
	March	100	R31,275	2,629	R34,004	R58,772	R5,475	64	R232,198
	April	83	R32,128	2,406	R34,617	R40,877	R2,151	39	R223,186
	May	73	R34,902	2,224	R37,199	R40,244	R2,293	28	R260,798
	June	91	R38,250	2,453	R40,794	42,729	R3,570	31	R321,426
	July	85	R40,906	3,127	R44,118	47,547	R3,569	32	R362,192
	August	100	R42,665	3,297	R46,062	52,637	R3,563	31	R340,292
	September	86	R39,835	2,725	R42,646	43,114	R3,300	28	R296,976
	October	82	R37,197	2,574	R39,853	42,253	R1,823	25	R262,878
	November	88	R36,982	2,681	R39,751	R44,516	R2,161	27	R228,001
	December	87	R40,581	3,001	R43,669	R54,771	R3,643	30	R220,003
	TOTAL	**1,064**	**R448,782**	**31,407**	**R481,254**	**R588,366**	**R47,511**	**398**	**R3,188,306**
1979	January	89	R43,788	3,021	R46,898	R62,433	R6,239	33	R229,226
	February	75	R39,008	2,806	R41,889	R51,852	R4,953	32	R227,908
	March	65	38,860	2,852	41,776	36,537	1,868	22	261,382
	TOTAL (Year to date)	**229**	**121,655**	**8,679**	**130,563**	**150,823**	**13,060**	**87**	**718,517**

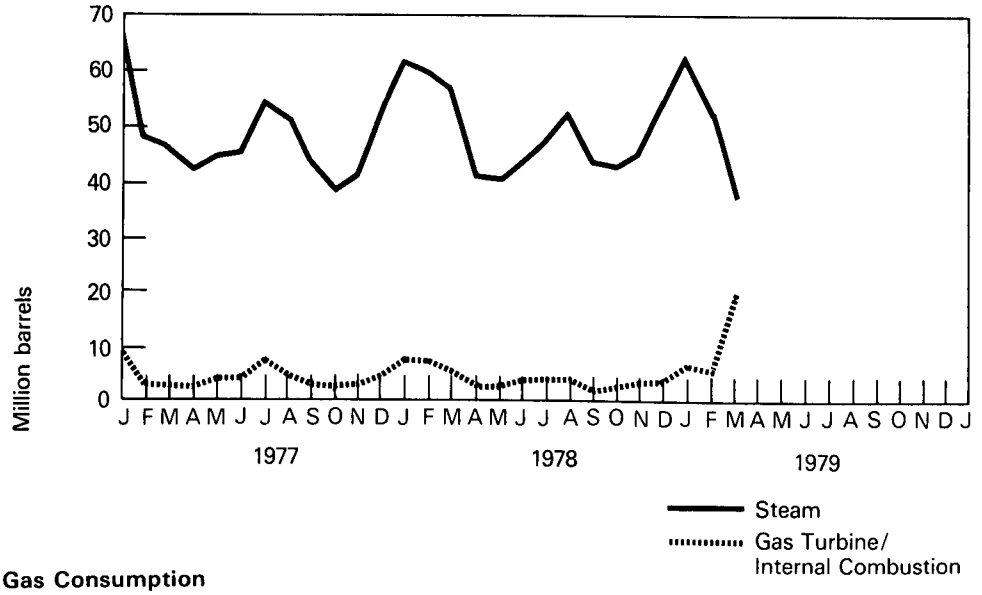
R=Revised data.
Note: Sum of the components may not equal totals due to independent rounding.

Electric Utilities

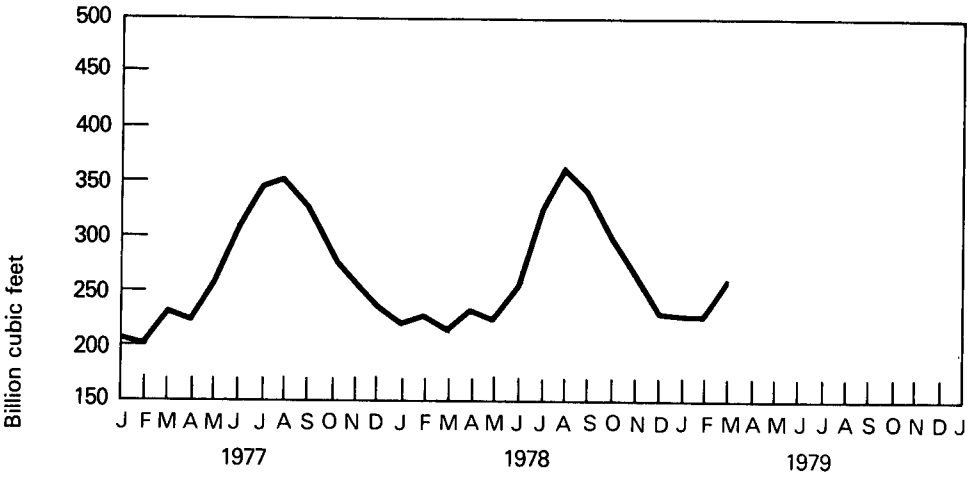
Coal Consumption



Petroleum Consumption



Gas Consumption



Electric Utilities

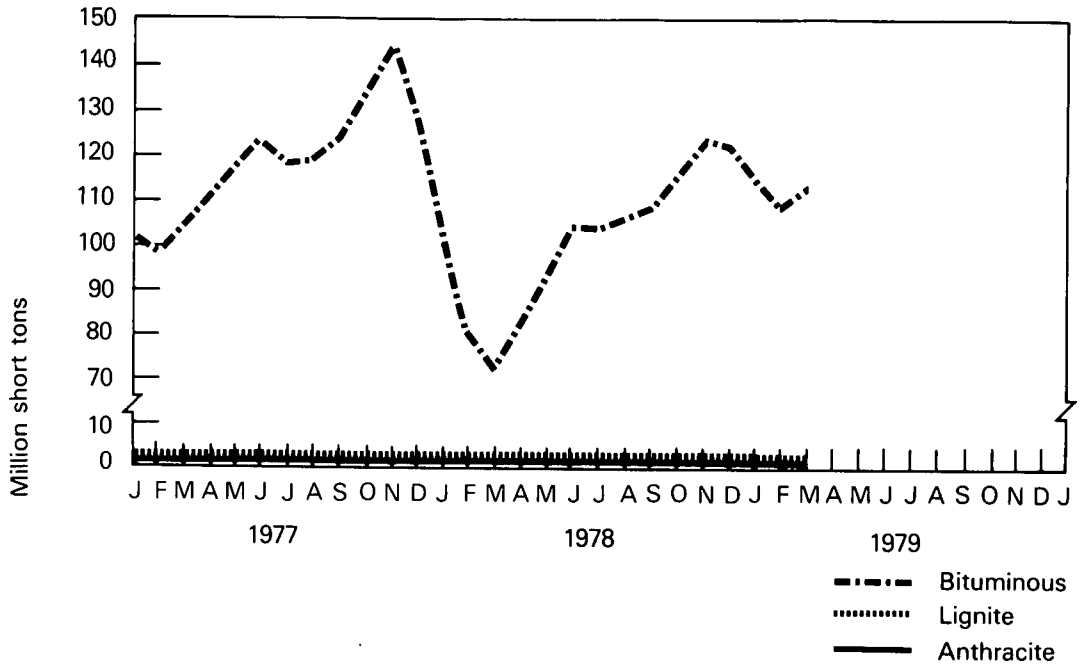
End-of-Month Coal and Petroleum Stocks

		Coal				Petroleum		
		Anthracite	Bituminous	Lignite	Total	Steam[1]	Gas Turb./ Int. Comb.[2]	Petroleum Coke
		Thousand short tons				Thousand barrels		Thousand short tons
1973	**TOTAL**	**1,066**	**84,941**	**961**	**86,967**	**79,121**	**10,095**	**312**
1974	**TOTAL**	**930**	**81,712**	**867**	**83,509**	**97,718**	**15,199**	**35**
1975	**TOTAL**	**982**	**107,927**	**1,815**	**110,724**	**108,825**	**16,432**	**31**
1976	**TOTAL**	**1,000**	**114,130**	**2,306**	**117,436**	**106,993**	**14,703**	**32**
1977	January	2,232	101,730	2,189	106,151	90,104	12,740	32
	February	2,190	98,923	2,162	103,275	95,934	14,098	32
	March	2,207	105,216	2,166	109,589	98,147	15,478	29
	April	2,209	111,326	2,352	115,888	101,631	15,817	25
	May	2,230	118,084	2,489	122,803	103,884	15,826	25
	June	2,258	124,081	2,424	128,763	107,715	15,615	30
	July	2,169	118,763	2,419	123,352	113,033	15,998	37
	August	2,310	119,018	2,470	123,798	119,381	17,062	41
	September	2,290	125,358	2,665	130,313	124,865	17,832	42
	October	2,310	134,422	2,901	R139,634	127,957	19,096	44
	November	2,325	144,365	2,966	149,656	129,206	19,079	46
	December	2,321	128,210	2,688	133,219	124,750	19,281	44
1978	January	2,280	R100,547	2,418	R105,245	R114,174	R16,260	40
	February	2,112	R80,092	2,349	R84,553	R111,158	R17,043	197
	March	2,091	R72,369	2,556	R77,016	R112,347	R17,269	182
	April	2,083	R83,287	2,612	R87,982	R116,101	R17,386	164
	May	2,145	R95,699	2,782	R100,626	R118,940	R16,972	167
	June	2,215	R105,611	2,923	R110,749	R120,186	R17,581	167
	July	2,241	R104,606	2,849	R109,696	R121,509	R17,580	176
	August	2,208	R106,915	3,140	R112,263	R119,358	R17,389	173
	September	2,224	R109,748	3,187	R115,159	R121,115	R17,538	181
	October	2,220	R115,943	3,431	R121,594	R117,681	R17,355	189
	November	2,199	R124,058	3,118	R129,376	R112,219	R17,240	199
	December	2,178	R123,017	3,027	R128,222	R102,401	R16,385	198
1979	January	2,154	R114,976	2,814	R119,944	R89,676	R15,641	181
	February	2,136	R109,303	2,726	R114,165	R81,995	R15,507	166
	March	2,170	113,403	2,704	118,277	95,477	16,289	170

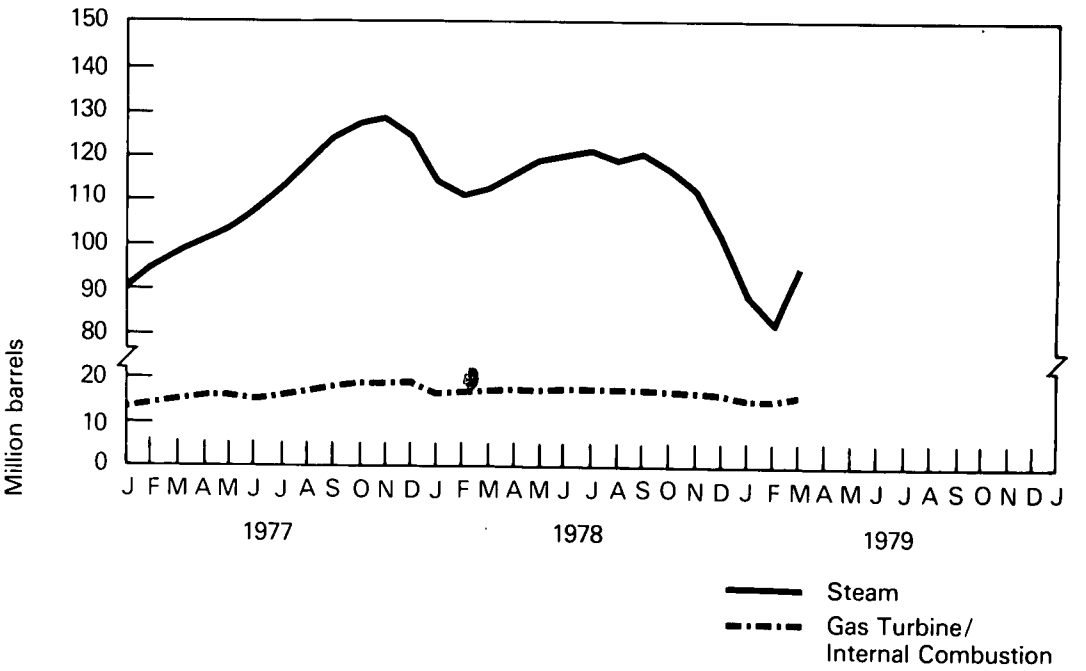
[1]Primarily residual fuel oil.
[2]Primarily middle distillates.
R=Revised data.
Note: Totals may not equal sum of components due to independent rounding.
Source: Federal Power Commission Form 4, "Monthly Power Plant Report."

Electric Utilities

Coal Stocks



Petroleum Stocks



Part 8

Nuclear Power

Nuclear Power

During April, nuclear powerplants generated a net 18.3 billion net kilowatt hours* which was considerably lower than what was generated during the previous three months.

At the end of April, there were 71 nuclear reactors in operation or startup testing, 92 had construction permits, 27 were awaiting construction permits, and an additional 8 reactors had construction activity planned.

This month there are a total of 189 nuclear reactors operating in eighteen non-Communist countries, an overall capacity of 110,410 thousand of gross kilowatts. Total power production amounted to 41,624 million gross kilowatt hours.

In March, 72 percent of the separative work** was for domestic customers. In April, this had increased to 84 percent.

*Preliminary data shown in the first table as average power or 25,519 thousand net kilowatts for all plants.

**See definitions.

Nuclear Power

Domestic Nuclear Powerplant Operations

		Maximum Dependable Capacity[1]		Average Power[2]		Percent of Total Domestic Electricity Generation
		All Plants[3]	Fully Operable Plants[4]	All Plants[3]	Fully Operable Plants[4]	
		Thousand net kilowatts				
1973	**AVERAGE**	**13,850**	**NA**	**8,760**	**NA**	**4.5**
1974	**AVERAGE**	**29,921**	**NA**	**13,011**	**NA**	**6.1**
1975	**AVERAGE**	**35,671**	**NA**	**19,692**	**NA**	**9.0**
1976	**AVERAGE**	**40,642**	**36,170**	**21,756**	**21,356**	**9.4**
1977	January	44,316	39,371	29,774	27,858	11.3
	February	44,282	39,320	29,167	27,072	12.0
	March	44,289	42,006	27,785	26,632	12.2
	April	45,131	42,882	27,631	27,062	12.7
	May	45,222	42,818	27,687	27,059	12.2
	June	45,991	43,908	29,885	29,885	11.9
	July	45,984	43,901	29,334	29,334	11.0
	August	45,982	43,898	30,578	30,560	11.6
	September	46,051	43,898	27,264	26,863	11.1
	October	46,088	44,935	25,558	25,298	11.4
	November	46,088	44,793	27,025	26,440	11.6
	December	47,133	45,710	31,950	31,649	12.9
	AVERAGE	**45,554**	**43,054**	**28,640**	**27,988**	**11.8**
1978	January	47,167	45,727	34,722	34,681	13.1
	February	48,080	45,744	32,489	32,489	12.6
	March	48,062	45,744	30,173	30,166	13.0
	April	48,926	45,746	24,451	24,106	11.0
	May	48,924	45,744	27,441	26,736	11.6
	June	49,714	46,627	30,813	30,164	11.8
	July	49,719	47,714	33,612	33,496	12.3
	August	49,815	47,810	34,408	34,396	12.4
	September	49,815	47,810	30,818	30,757	12.0
	October	50,776	47,864	30,868	30,489	13.2
	November	50,776	47,864	34,584	34,118	14.1
	December	50,774	48,742	34,160	33,676	13.2
	AVERAGE	**49,385**	**46,937**	**31,553**	**31,280**	**12.5**
1979	January	50,771	48,745	R37,355	R37,148	R13.2
	February	50,720	48,762	38,558	38,400	13.9
	March	50,720	48,762	R32,708	R32,708	R13.3
	April†	50,720	48,762	25,519	25,519	10.6
	AVERAGE (4 months)	**50,733**	**48,757**	**36,479**	**33,389**	**12.8**

[1]See definitions.
[2]Average power: Represents generated electricity on an average hourly basis. Actual generation for a specific period = average power times the number of hours of the period. The result should compare favorably with nuclear generation data in Part 7.
[3]Includes all units authorized to generate commercial electricity, including 3 units in start-up testing (see definitions) and those owned by the Government.
[4]Units in start-up testing are not included.
†Preliminary data.
R=Revised data.
NA=Not available.
Sources: Capacity data for units in commercial operation or start-up testing from Nuclear Regulatory Commission. Average power data for April 1979 computed from Nuclear Regulatory Commission. Remaining data from Federal Power Commission Form 4, "Monthly Powerplant Report."

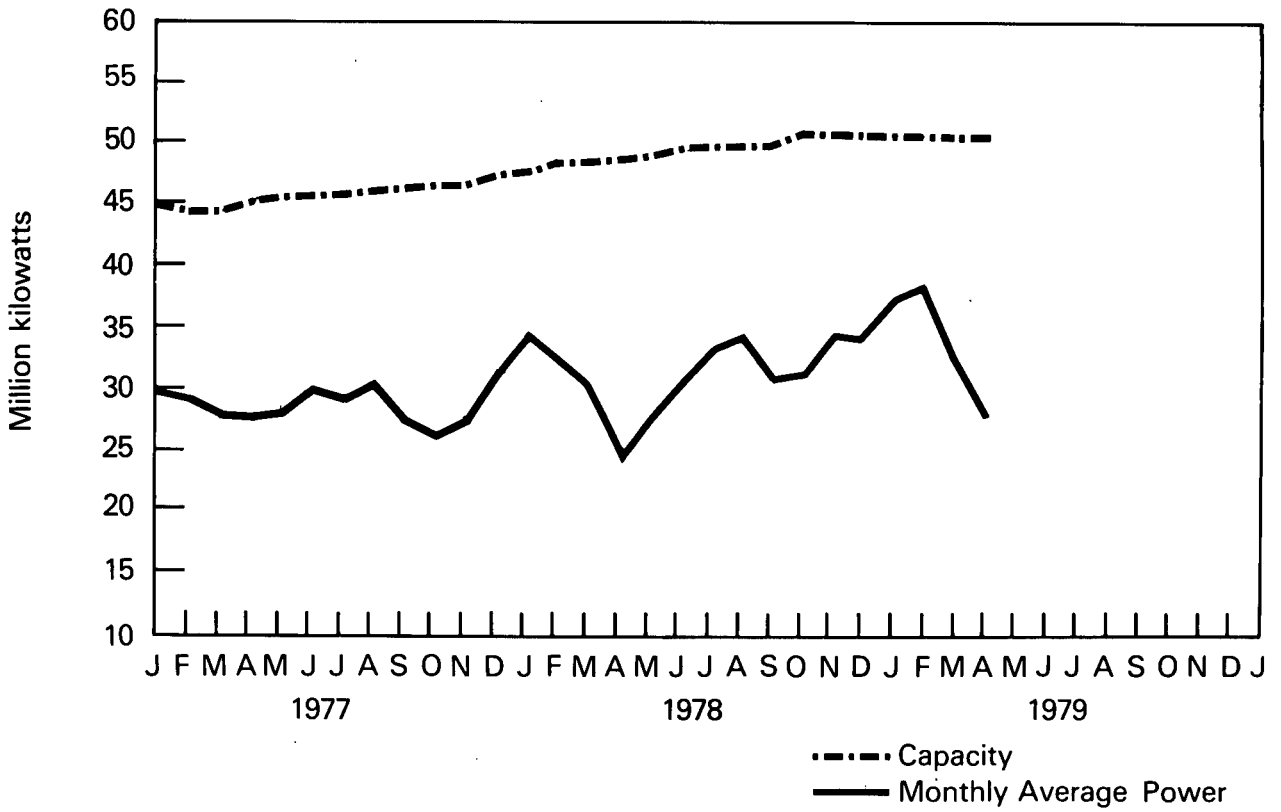
Nuclear Power

Status of Nuclear Powerplants–April 30, 1979

Status	Number of Plants					Design Capacity
	Boiling Water Reactors	High Temperature Gas Reactors	Pressurized Water Reactors	Other[2]	Total	Thousand Net Kilowatts
In operation or startup testing[1]	26	1	42	2	71	52,000
Construction permit granted	28	0	64	0	92	101,000
Construction permit pending	7	0	19	1	27	31,000
Orders placed for plant	2	0	3	0	5	6,000
Publicly announced	0	0	0	3	3	4,000
TOTAL	**63**	**1**	**128**	**6**	**198**	**[3]194,000**

[1]Does not include the Indian Point 1 reactor which is in indefinite shutdown status. Includes Humboldt Bay, shutdown for seismic modifications. Includes Maine Yankee, Beaver Valley, Fitzpatrick and Surry 1 and 2 which were shut down by the NRC due to design deficiencies in auxiliary piping support structures. Also includes Three Mile Island 2 which was shut down due to an accident in late March.
[2]Includes two dual-purpose Department of Energy-owned reactors, both operating. Also includes 1 Liquid Metal Fast Breeder Reactor and 3 announced intentions to order for which a reactor type has not been chosen.
[3]Total may not equal sum of components due to independent rounding.
Source: U.S. Department of Energy.

U.S. Nuclear Powerplants



Nuclear Power

Domestic Uranium Enrichment

	Domestic Customers		Foreign Customers		Total	
	March	April	March	April	March	April
Separative work performed (in metric tons of separative work units)	989.610	508.870	380.652	100.395	1,370.262	609,265
Cost (in millions of dollars)	84.348	44.115	32.310	8.449	116.658	52.564
Product quantity (in metric tons of uranium)	234.912	130.867	85.011	26.689	319.923	157.556
Feed requirement (in metric tons of uranium)	1,265.799	665.046	477.475	132.536	1,743.274	797.582

Source: U.S. Department of Energy.

Nuclear Power Generation by Non-Communist Countries—April 1979

Country	Number of Reactors[1]	Capacity[1]	Electricity Generation		Percent of Design Capacity Used			
					April	Year[2]		
		Thousand gross electrical kilowatts	Million gross kilowatt hours		1979	1976	1977	1978
Asia								
Japan	20	12,840	3,554		38	64	40	55
India	3	620	218		49	59	51	42
Pakistan	1	140	0		0	41	28	19
South Korea	1	590	262		62	NA	NA	45
Taiwan	2	1,270	565		62	NA	21	49
Europe								
Belgium	3	1,740	1,047		83	65	78	82
England[3]	33	9,040	3,210		52	62	55	51
Finland	2	1,150	623		75	NA	92	81
France	15	7,800	3,151		56	59	52	59
Germany (FR)	10	7,050	2,935		58	57	64	58
Italy	4	1,490	290		27	69	61	51
Netherlands	2	520	222		59	84	81	89
Spain	3	1,120	637		79	77	67	78
Sweden	6	3,850	1,449		52	55	59	70
Switzerland	3	1,060	774		101	85	87	90
North America								
Canada[4]	9	5,590	3,104		66	80	76	79
United States	71	54,180	19,320		50	55	64	65
South America								
Argentina	1	360	261		101	86	55	91
Total	**189**	**[5]110,410**	**[5]41,624**	**Average**	**52**	**59**	**62**	**63**

[1] Includes fully operational units and those in startup testing which generated electricity during, or prior to, the current month. Capacity and generation figures are shown as gross values, as opposed to net values shown in previous tables of this chapter.
[2] Averages are computed for those units in operation, including startup units beginning with first month of electricity generation.
[3] April figures for 22 units are based on a 4-week period; figures for remaining units are for 30 days.
[4] April figures are based on 5-week period.
[5] Total may not equal sum of components due to independent rounding.
NA=Not available.
Source: Compiled from *Nucleonics Week* magazine, published by McGraw-Hill, Inc.

Nuclear Power

Summary of Monthly Fuel Cycle—March 1979

Fuel Cycle Activity	Product	Processed Material[1]	Percent Utilization of Industry Capacity	Energy Content of Processed Material[2]	Energy Consumed in Fuel Cycle Activity[3]	Cost Contribution to Electric Power[4]
		MTU except where noted		Billion Btu		Mills per kilowatt hour
Milling	Yellowcake (U_3O_8) Deliveries	794	76	288,000	437	1.27
Conversion	Uranium Hexafluoride (UF_6) Deliveries	1,294	[5]90	441,000	194	0.16
Enrichment	Enriched UF_6 Deliveries	319 (1,370 MT-SWU)	NA	653,000	2,906	1.53
Fabrication	Finished Fuel Assemblies Shipped	101	NA	206,000	28	0.47
Powerplant Operation	Electricity Generated	24,334 (million kWh)	65	262,000	1,202 (million kWh)	10.93
Spent Fuel	Stored at Reactor Site	NA	NA	NA	NA	NA
	Stored at Non-Reactor Sites	0	0	0	0	[6]1.57

[1] Units of measure are discussed in Explanatory Notes 11 and 12.
[2] Assumes 25,000 MWD/MTU for heat content of enriched uranium and a 6.1 feed to product ratio at the enrichment plant.
[3] Energy requirements for processing are obtained from U.S.Atomic Energy Commission Report No. WASH 1248.
[4] Cost contribution is computed from unit prices paid for current month's production and requirement for a model 1000 MWe reactor operating at 65 percent capacity factor. Because of the long lead time required for nuclear fuel processing, the sum of numbers in this column does not necessarily reflect the fuel cost of current electricity production.
[5] Figure for conversion utilization represents material shipped.
[6] Figure represents current industry estimate for cost of spent fuel shipment, reprocessing, and waste disposition, exclusive of cost credits for recovered uranium and plutonium.
NA=Not available.
Source: U.S. Department of Energy.

Price

Crude Oil

During March 1979, the composite refiner acquisition cost for crude oil was $13.70 per barrel, an increase of 28 cents per barrel from the previous month's price, and a 10 percent increase over the 1978 average. Most of this increase was a result of rising imported and domestic crude oil prices which averaged $16.41 and $11.45 per barrel, respectively.

The average price of domestic crude oil purchased at the wellhead during March 1979, was $9.83 per barrel. Prices for each tier increased from the previous month, except stripper which remained the same at $14.88 per barrel. In terms of percentage change from the previous month, the greatest change was in the Alaskan north slope, 13.4 percent, followed by lower tier at 1.0 percent, upper tier at 0.5 percent, and naval petroleum reserve at 0.2 percent.

Due to the expiration of form FEA-F701-M-1, a new data collection system was initiated which has demanded additional programming time. As a result, no "FOB or Landed Cost from Selected Countries" are yet available for February and March 1979.

Motor Gasoline

On a national average basis, leaded regular gasoline at full-serve pumps sold for an average of 72.5 cents per gallon, 2.6 cents higher than the price in February. The price for unleaded regular gasoline at full-serve pumps was 77.4 cents per gallon, 2.9 cents higher than the price in February. This increased the differential between unleaded regular and leaded regular gasoline at full-serve pumps to 4.9 cents per gallon. Self-serve leaded and self-serve unleaded regular gasoline prices were 68.7 and 73.8 cents per gallon, respectively.

The national average price paid for leaded regular gasoline at refiner-owned and operated stations was 67.6 cents per gallon, 3.1 cents above the price in February. The price for leaded premium and unleaded regular gasoline for these stations was 73.6 and 72.1 cents per gallon, respectively.

On a regional basis, average selling prices for leaded regular gasoline at full-serve pumps ranged from 70.7 cents in Region 6 to 75.4 cents in Region 9. At self-serve pumps leaded regular gasoline prices ranged from 65.7 cents in Region 6 to 71.7 cents in Region 10. The average price for unleaded regular gasoline at full serve pumps ranged from 74.9 cents in Region 6 to 80.2 cents in Region 9. At self-serve pumps, this price ranged from 69.9 cents in Region 6 to 76.7 cents in Region 9.

Residual Fuel Oil

The average price, excluding taxes, for No. 6 residual fuel oil sold to utilities, industry and other ultimate consumers during March 1979 was $15.95 per barrel. This was a $1.27 increase from the previous month and a 25.1 percent increase over the 1978 average. The average price, excluding taxes, for No. 6 residual fuel oil sold to resellers, bulk plants, jobbers, and other wholesale accounts, during March 1979, was $14.82 per barrel. This was a $1.10 increase from the previous month and a 28.8 percent increase over the 1978 average.

Aviation Fuel

The average price, excluding taxes, for kerosene-type jet fuel sold to commercial airlines, Department of Defense, and other ultimate consumers during March 1979 was 41.3 cents per gallon. This was a 1.1 cents increase from the previous month, and a 6.2 percent increase over the 1978 average.

Diesel Fuel

The average price, excluding taxes, for No. 2 diesel fuel sold at truck stops and other retail outlets during March 1979, was 47.9 cents per gallon. This was a 1.8 cents per gallon increase from the previous month, and a 19.2 percent increase over the average for 1978. The average price, excluding taxes, for No. 2 diesel fuel sold to resellers, jobbers, and other wholesale accounts during March 1979, was 44.5 cents per gallon. This was a 2.7 cents increase from the previous month and a 19.9 percent increase over the 1978 average.

Part 9 Price

Price

Liquefied Petroleum Gases

Wholesale propane prices have been gradually dropping since January 1978. The average wholesale price for propane, excluding taxes, during March 1979 was 21.2 cents per gallon, an 0.6 cent decrease from the previous month.

The average wholesale price for butane, excluding taxes, during March 1979 was 32.5 cents per gallon, 4.0 cents above the previous month's price and 41.3 percent over the 1978 average. The recent large price increases may be due to the increased demand for butane as a chemical additive in motor gasolines.

Price

Domestic Prices and Percentages of Crude Oil Purchased at the Wellhead[1]

		Lower Tier[2]		Upper Tier[2]		Actual Stripper[3]		Actual Domestic Average[4]	Imputed Domestic Average[4]
		Dollars per barrel							
		Price	Percent	Price	Percent	Price	Percent	Price	Price
1976	**AVERAGE**	**5.13**	**54.4**	**11.71**	**31.5**	**12.16**	**14.1**	**8.19**	**8.06**
1977	January	5.17	50.6	11.44	36.7	13.27	12.7	8.50	8.28
	February	5.18	49.5	11.39	37.2	13.32	13.3	8.57	8.33
	March	5.15	49.2	11.03	37.2	13.31	13.6	8.45	8.19
	April	5.15	49.5	10.97	36.9	13.28	13.6	8.40	8.14
	May	5.18	48.4	10.98	37.6	13.26	14.0	8.49	8.23
	June	5.16	48.8	10.92	37.0	13.28	14.2	8.44	8.17

		Lower Tier[2]		Upper Tier[2]		Actual Stripper[3]		Actual Domestic Average[4]	Imputed Domestic Average[4]	Alaskan North Slope[5]		Naval Petroleum Reserve[6]	
		Price	Percent	Price	Percent	Price	Percent	Price	Price	Price	Percent	Price	Percent
	July	5.16	46.75	11.00	36.59	13.31	13.30	8.48	8.21	6.84	2.58	12.21	0.75
	August	5.18	43.31	10.93	36.65	13.95	13.32	8.62	8.25	6.91	5.79	12.29	0.91
	September	5.20	42.78	11.20	34.07	14.01	13.14	8.63	8.26	6.98	9.06	12.33	0.91
	October	5.23	42.23	11.42	34.58	14.01	12.92	8.72	8.36	6.66	9.09	12.38	1.15
	November	5.24	41.41	11.63	34.67	13.98	13.00	8.72	8.35	5.73	9.84	12.40	1.05
	December	5.25	40.42	11.76	34.61	13.98	13.00	8.77	8.40	5.73	10.92	12.36	1.03
	AVERAGE	**5.19**	**45.92**	**11.22**	**36.11**	**13.59**	**13.32**	**8.57**	**8.27**	**6.35**	**4.14**	**12.34**	**0.51**
1978	January	5.28	41.73	11.78	34.19	13.89	12.69	8.68	8.34	5.30	10.17	12.38	1.19
	February	5.29	40.78	11.81	34.35	13.90	13.68	8.84	8.48	5.68	9.94	12.46	1.23
	March	5.34	39.24	11.87	34.06	13.97	13.98	8.80	8.41	5.00	11.76	12.60	0.92
	April	5.35	37.94	11.94	34.04	13.95	13.72	8.82	8.44	5.15	13.26	12.67	1.02
	May	5.38	38.16	11.98	34.03	13.93	13.76	8.81	8.43	4.87	13.05	12.70	0.97
	June	5.46	36.79	12.08	35.01	13.95	13.89	9.05	8.68	5.63	13.45	13.08	0.84
	July	5.46	37.61	12.16	34.39	13.95	13.55	8.96	8.62	5.26	13.46	13.07	0.97
	August	5.50	36.49	12.22	34.45	13.93	14.42	9.05	8.67	5.09	13.66	13.04	0.95
	September	5.55	35.92	12.35	34.64	13.96	14.44	9.15	8.78	5.12	13.79	13.17	1.18
	October	5.60	36.27	12.42	34.38	13.97	14.15	9.17	8.81	5.21	13.95	13.08	1.22
	November	5.65	36.22	12.53	34.56	13.94	14.02	9.20	8.85	5.12	14.08	13.00	1.09
	December	5.68	33.65	12.59	34.74	14.08	15.88	9.47	9.07	5.40	14.42	12.92	1.28
	AVERAGE	**5.46**	**37.54**	**12.15**	**34.41**	**13.95**	**14.03**	**9.00**	**8.63**	**5.22**	**12.96**	**12.85**	**1.08**
1979	January	5.75	R35.51	12.66	34.25	14.55	14.14	9.46	9.04	5.79	14.88	13.10	R1.20
	February	5.76	R35.20	12.78	R34.97	14.88	R15.08	9.69	9.21	5.87	R13.71	R13.94	R1.01
	March†	5.82	34.60	12.84	34.55	14.88	14.96	9.83	9.37	6.66	14.58	13.47	1.28
	AVERAGE (3 months)	**5.78**	**35.10**	**12.76**	**34.58**	**14.77**	**14.72**	**9.66**	**9.21**	**6.12**	**14.41**	**13.65**	**1.17**

[1]See Explanatory Note 14.
[2]See Definitions.
[3]Stripper oil was exempt from price controls beginning September 1, 1976. From February through August 1976 stripper oil was subject to upper tier price ceilings. Annual average is for 12 months (January through December 1976).
[4]See Explanatory Note 15.
[5]Alaskan North Slope (ANS) crude oil prices are treated as Upper Tier for determining the applicable wellhead ceiling prices. ANS is included in both the Actual Domestic Average and the Imputed Domestic Average price determinations.
[6]The Naval Petroleum Reserves (NPR) are exempt from pricing regulations but have been reported here as Upper Tier prior to July 1977. NPR is included in the Actual Domestic Average price determinations, but not in the Imputed Domestic Average.
†Preliminary data based on early reports.
R=Revised data.
NA=Not available.
Note: Percentage totals may not add to 100 due to rounding.
Sources: January 1975 through January 1976—Form FEA-90, "Crude Petroleum Production Monthly Report;" February 1976 through August 1976—FEA Form P124-M-O, "Domestic Crude Oil Purchasers Report" for Lower Tier percentages and EIA estimates for Upper Tier percentages; September 1976 forward—FEA Form P124-M-O, "Domestic Crude Oil Purchasers Report." Data provided by the Economic Regulatory Administration.

Price

FOB Cost of Crude Oil Imports from Selected Countries[1]

		Algeria	Canada	Indonesia	Iran	Libya	Mexico	Nigeria	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela
							Dollars per barrel					
1976	**AVERAGE**	**13.05**	**NA**	**12.76**	**11.61**	**12.55**	**NA**	**13.08**	**11.69**	**11.94**	**NA**	**11.32**
1977	January	14.03	NA	13.41	12.03	13.64	13.39	14.11	11.92	12.53	NA	13.39
	February	14.31	NA	13.43	12.36	13.89	13.42	14.24	12.04	12.33	NA	13.30
	March	14.29	NA	13.58	12.79	13.87	13.40	14.32	12.24	12.51	NA	12.98
	April	14.34	NA	13.55	12.79	13.98	13.38	14.51	12.23	12.53	NA	12.62
	May	14.31	NA	13.57	12.78	13.93	13.42	14.56	12.23	12.56	NA	12.60
	June	14.35	NA	13.55	12.68	13.94	13.41	14.55	12.21	12.44	NA	12.53
	July	14.43	NA	13.61	12.78	13.99	13.42	14.52	12.40	12.70	NA	12.48
	August	14.48	NA	13.63	12.80	13.95	13.45	14.54	12.56	13.15	NA	12.37
	September	14.43	NA	13.64	12.73	13.99	13.43	14.56	12.72	13.20	NA	12.55
	October	14.43	NA	13.65	12.79	13.93	13.42	14.48	12.70	13.22	NA	12.72
	November	14.37	NA	13.65	12.75	13.88	13.41	14.53	12.73	13.33	NA	12.71
	December	14.44	NA	13.61	12.71	13.85	13.41	14.45	12.77	13.27	NA	12.56
1978	January	14.29	NA	13.67	12.62	13.77	13.45	14.18	12.70	13.23	NA	12.73
	February	14.21	NA	13.62	12.68	13.91	13.43	14.18	12.78	13.18	NA	12.61
	March	14.19	NA	13.62	12.68	13.75	13.44	14.13	12.80	13.20	13.80	12.86
	April	14.09	NA	13.61	12.68	13.62	13.42	13.91	12.74	13.23	13.65	12.54
	May	13.99	NA	13.51	12.65	13.59	13.42	13.90	12.71	13.05	13.64	12.13
	June	14.06	NA	13.63	12.58	13.59	13.32	13.90	12.67	13.28	13.65	12.32
	July	14.06	NA	13.63	12.70	13.67	13.13	13.89	12.65	13.26	13.72	12.66
	August	14.05	NA	13.63	12.63	13.66	13.17	13.86	12.66	13.27	13.80	12.23
	September	14.05	NA	13.69	12.63	13.66	13.13	13.97	12.76	13.27	13.74	12.38
	October	14.08	NA	13.63	12.64	13.73	13.15	14.08	12.59	13.24	14.14	12.32
	November	14.13	NA	13.79	12.62	13.97	13.17	14.12	12.63	13.29	13.85	12.46
	December	14.16	NA	13.65	12.67	14.07	13.13	14.29	12.77	13.39	14.06	12.42
1979	January	14.91	NA	14.12	12.55	14.58	13.73	15.03	13.16	13.90	15.55	13.59

[1]The FOB cost excludes all costs related to insurance and transportation. See Explanatory Note 16.
NA= Not available.
Note: Due to a new data system, February and March data are not available for this (June) issue of the Monthly Energy Review.
Source: FEA Form F701-M-0, "Transfer Pricing Report." Data provided by the Economic Regulatory Administration.

Price

Landed Cost of Crude Oil Imports From Selected Countries[1]

		Algeria	Canada	Indonesia	Iran	Libya	Mexico	Nigeria	Saudi Arabia	United Arab Emirates	United Kingdom	Venezuela
						Dollars per barrel						
1975	**AVERAGE**	**12.72**	**12.72**	**13.79**	**12.21**	**12.35**	**NA**	**12.62**	**12.30**	**12.87**	**NA**	**11.65**
1976	**AVERAGE**	**13.81**	**13.57**	**13.82**	**12.82**	**13.58**	**NA**	**13.80**	**13.04**	**13.30**	**NA**	**11.80**
1977	January	14.80	13.92	14.42	13.16	14.64	13.78	14.97	13.22	13.56	NA	13.29
	February	15.18	13.74	14.57	13.56	15.12	13.92	15.12	13.32	13.46	NA	13.76
	March	15.08	14.34	14.64	13.94	14.88	13.77	15.13	13.50	13.80	NA	13.41
	April	15.21	14.02	14.70	13.95	15.12	13.66	15.37	13.41	13.78	NA	13.19
	May	15.20	14.94	14.59	13.94	14.91	13.80	15.40	13.49	13.85	NA	13.10
	June	15.34	14.49	14.63	13.81	14.92	13.81	15.37	13.39	13.72	NA	13.06
	July	15.29	13.91	14.75	13.84	14.88	13.87	15.39	13.64	14.20	NA	13.02
	August	15.24	14.24	14.65	13.99	14.70	13.84	15.25	13.72	14.36	NA	12.82
	September	15.29	14.14	14.62	13.77	14.99	13.72	15.34	14.01	14.41	NA	13.08
	October	15.41	14.00	14.67	13.83	14.81	13.71	15.31	13.85	14.56	NA	13.16
	November	15.05	14.52	14.73	13.88	14.73	13.79	15.23	13.94	14.19	NA	13.11
	December	15.25	14.27	14.58	13.95	14.81	13.69	15.21	13.99	14.48	NA	12.99
	AVERAGE	**15.20**	**14.21**	**14.63**	**13.80**	**14.87**	**13.75**	**15.25**	**13.61**	**14.04**	**NA**	**13.13**
1978	January	15.01	14.37	14.60	13.91	14.63	13.83	14.88	13.93	14.40	NA	13.00
	February	14.91	14.31	14.53	13.75	14.85	13.67	14.90	13.96	14.07	NA	12.93
	March	14.74	13.56	14.56	14.06	14.62	13.66	14.89	14.07	14.44	14.75	13.22
	April	14.91	13.87	14.61	13.90	14.43	13.63	14.63	13.85	14.42	14.26	12.89
	May	14.70	14.39	14.50	13.94	14.56	13.65	14.72	13.86	14.20	14.35	12.49
	June	14.80	15.07	14.58	13.92	14.45	13.51	14.61	13.86	14.48	14.19	12.72
	July	14.83	14.64	14.73	13.93	14.65	13.35	14.64	13.81	14.29	13.81	12.41
	August	14.83	14.78	14.66	13.76	14.64	13.52	14.59	13.84	14.49	14.48	12.70
	September	14.74	13.92	14.73	13.83	14.62	13.45	14.78	14.03	14.36	14.53	12.94
	October	14.90	14.73	14.68	13.89	14.81	13.39	15.03	13.89	14.61	14.85	12.78
	November	15.30	14.72	14.85	13.89	15.04	13.61	15.06	14.02	14.38	14.81	13.08
	December	15.27	14.96	14.80	13.80	15.23	13.50	15.30	14.00	14.66	15.00	13.02
	AVERAGE	**14.91**	**14.50**	**14.64**	**13.88**	**14.72**	**13.54**	**14.86**	**13.92**	**14.39**	**NA**	**12.83**
1979	January	15.99	15.43	15.25	13.97	15.73	14.15	15.99	14.47	14.91	16.55	14.24

[1]See Explanatory Note 17.
NA=Not available.
Note: Due to a new data system, February and March data are not available for this (June) issue of the Monthly Energy Review.
Source: FEA Form F701-M-0, "Transfer Pricing Report." Data provided by the Economic Regulatory Administration.

Price

Crude Oil Refiner Acquisition Cost[1]

		Domestic	Imported	Composite
		Dollars per barrel		
1976	**AVERAGE**	**8.84**	**13.48**	**10.89**
1977	January	9.23	14.11	11.64
	February	9.24	14.50	11.80
	March	9.32	14.54	11.88
	April	9.21	14.36	11.75
	May	9.21	14.62	11.87
	June	9.34	14.63	11.98
	July	9.32	14.44	11.90
	August	9.54	14.68	12.01
	September	9.75	14.50	12.01
	October	9.95	14.56	12.12
	November	10.17	14.61	12.18
	December	10.15	14.76	12.27
	AVERAGE	**9.55**	**14.53**	**11.96**
1978	January	10.14	14.52	12.13
	February	10.25	14.41	12.19
	March	10.46	14.57	12.23
	April	10.55	14.40	12.20
	May	10.60	14.51	12.35
	June	10.72	14.54	12.48
	July	10.58	14.49	12.45
	August	10.65	14.46	12.46
	September	10.65	14.53	12.57
	October	10.78	14.63	12.62
	November	10.87	14.74	12.76
	December	11.00	14.94	12.93
	AVERAGE	**10.61**	**14.57**	**12.46**
1979	January	11.02	15.50	13.11
	February	11.34	15.88	13.42
	March	11.45	16.41	13.70
	AVERAGE (3 months)	**11.27**	**15.92**	**13.41**

[1]See Explanatory Note 13.

Note: Crude oil costs and volumes reported on the ERA-49 exclude unfinished oils but include Strategic Petroleum Reserve (SPR).Crude oil costs and volumes reported on the P-110-M-1 include unfinished oils but exclude SPR. Imported averages derived from the ERA-49 exclude crude oil purchased as Strategic Petroleum Reserves (SPR), whereas, the composite averages derived from the ERA-49 include SPR.

Sources: 1974 through January 1976–Form FEO-96, "Monthly Cost Allocation Report;" February 1976 through June 1978–FEA Form P110-M-1, "Refiners' Monthly Cost Allocation Report;" July 1978—forward—ERA-49, "Domestic Crude Oil Entitlements Program." Data provided by the Economic Regulatory Administration.

Price

Unrecouped Costs for Refined Products for 29 Largest Refiners[1]

		Distillate[2]	Motor Gasoline	Aviation Jet Fuel	Other Products	Total
				Million dollars		
1976	January	336	242	131	515	1,224
	February	279	336	145	456	1,216
	March	263	316	163	456	1,198
	April	237	398	180	524	1,339
	May	264	632	161	446	1,503
	June	NA	628	135	349	1,112
	July	NA	587	129	384	1,100
	August	NA	679	125	352	1,156
	September	NA	619	134	340	1,093
	October	NA	733	151	372	1,256
	November	NA	796	168	368	1,332
	December	NA	723	139	317	1,179
1977	January	NA	901	166	325	1,392
	February	NA	1,038	187	303	1,528
	March	NA	956	180	287	1,423
	April	NA	1,029	194	343	1,566
	May	NA	967	224	351	1,542
	June	NA	957	234	344	1,535
	July	NA	869	210	391	1,470
	August	NA	764	279	455	1,498
	September	NA	784	186	500	1,470
	October	NA	879	248	511	1,638
	November	NA	904	218	538	1,660
	December	NA	818	185	470	1,473
1978	January	NA	1,055	191	420	1,666
	February	NA	1,265	198	435	1,898
	March	NA	1,065	175	378	1,618
	April	NA	1,013	170	400	1,583
	May	NA	849	186	500	1,535
	June	NA	718	180	562	1,460
	July	NA	713	136	449	1,298
	August	NA	353	74	461	888
	September	NA	554	155	491	1,200
	October	NA	627	131	701	1,459
	November	NA	709	102	540	1,351
	December	NA	532	94	791	1,417
1979	January	NA	836	64	799	1,699
	February	NA	941	30	755	1,726

[1]Beginning with February 1977, data for only 29 refiners are included in this table due to the merger between Skelly Oil Company and Getty Oil Company.
[2]Includes No. 2 heating oil and No. 2 diesel fuel only. After May 1976, reporting of the distillate bank is no longer required due to decontrol of middle distillates.
R=Revised data.
NA=Not available.
Source: January 1975 through January 1976—Form FEO-96,"Monthly Cost Allocation Report;" February 1976 forward—FEA Form P110-M-1, "Refiners' Monthly Cost Allocation Report;" July 1978 forward EIA-14, "Refiners' Monthly Cost Allocation Report." Data provided by the Economic Regulatory Administration.

Price

Crude Oil Entitlements and Supply Ratio

		Entitlement Price[1] (Dollars)	National Old Oil (or Domestic Crude Oil) Supply Ratio[1]	Entitlement Benefit[1] (Dollars)
1976	January	8.09	0.309	2.50
	February	7.85	0.352	2.76
	March	7.89	0.358	2.82
	April	7.85	0.356	2.79
	May	7.82	0.356	2.78
	June	7.91	0.328	2.59
	July	7.80	0.314	2.45
	August	8.02	0.319	2.56
	September	7.80	0.296	2.31
	October	7.84	0.293	2.30
	November	7.90	0.273	2.16
	December	7.97	0.263	2.10
1977	January	8.30	0.266	2.21
	February	8.53	0.267	2.28
	March	8.71	0.273	2.38
	April	8.69	0.285	2.48
	May	8.77	0.280	2.46
	June	8.65	0.273	2.36
	July	8.68	0.258	2.24
	August	8.75	0.266	2.33
	September	8.75	0.250	2.19
	October	8.78	0.250	2.20
	November	8.61	0.239	2.06
	December	8.65	0.233	2.02
1978	January	8.61	0.240	2.07
	February	8.48	0.230	1.95
	March	8.47	0.225	1.91
	April	8.35	0.218	1.82
	May	8.26	0.197	1.63
	June	8.19	0.191	1.56
	July	8.16	0.184	1.50
	August	8.06	0.165	1.33
	September	8.13	0.174	1.41
	October	8.11	0.178	1.44
	November	8.16	0.166	1.35
	December	8.20	0.155	1.27
1979	January	8.74	0.178	1.56
	February	9.03	0.185	1.67
	March	9.50	0.189	1.80

[1]See Definitions.
Source: FEA-P102-M-1, "Domestic Crude Oil Entitlements Program Refiners Monthly Report." Data provided by the Economic Regulatory Administration.

Price

Average Refiner Owned and Operated Station Retail Motor Gasoline Selling Prices[1]

		Leaded Regular	Leaded Premium	Unleaded Regular and Premium	Average for All Grades
		Cents per gallon, including tax			
1976	January	53.5	57.9	55.8	54.6
	February	53.4	57.8	55.9	54.7
	March	52.3	56.6	54.6	53.6
	April	52.7	56.8	55.0	54.1
	May	54.1	58.2	56.3	55.5
	June	55.7	60.1	57.9	57.0
	July	55.9	60.3	58.4	57.2
	August	55.7	60.3	58.5	57.2
	September	55.6	60.1	58.1	57.0
	October	55.4	59.9	58.1	56.9
	November	55.2	59.8	57.9	56.7
	December	55.0	59.6	57.8	56.4
1977	January	54.9	59.5	57.7	56.3
	February	55.5	60.2	58.9	57.0
	March	56.0	61.0	59.5	57.6
	April	57.1	61.9	60.6	57.6
	May	57.7	62.7	61.4	59.4
	June	58.0	62.7	61.8	60.0
	July	58.2	63.2	61.8	60.2
	August	57.9	63.1	61.8	60.0
	September	57.6	62.9	61.5	59.7
	October	57.2	62.7	61.2	59.5
	November	57.0	62.6	61.1	59.2
	December	56.9	62.7	61.0	59.2
1978	January	56.8	62.6	60.9	59.2
	February	56.5	62.4	60.7	58.6
	March	56.5	62.5	60.7	58.6
	April	56.8	62.8	61.0	58.9
	May	57.1	63.6	61.8	59.6
	June	58.3	64.5	62.6	60.5
	July	59.3	65.6	63.8	61.6
	August	60.5	66.7	64.9	62.7
	September	60.7	67.0	65.1	63.0
	October	60.6	67.0	65.1	62.9
	November	61.3	67.8	65.9	63.7
	December	62.5	68.9	R66.9	R64.8
1979	January	63.0	68.0	67.7	65.3
	February	64.5	70.8	68.0	66.5
	March†	67.6	73.6	72.1	69.9

Note: Taxes are estimated to be 12.5 cents per gallon.
[1]Retail refers to the price at which refiner-owned and -operated retail stations sell gasoline to the consumer.
R=Revised data.
†Preliminary data.
Source: FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

National Average Retail Dealer Motor Gasoline Selling Prices

		Leaded Regular		Unleaded Regular		Leaded Premium		Unleaded Premium	
		Full Serve	Self Serve	Full Serve	Self Serve	Full Serve	Self Serve	Full Serve	Self Serve
		Cents per gallon, including tax							
1976	**AVERAGE**	**58.7**	**55.4**	**62.5**	**NA**	**63.8**	**60.7**	**NA**	**NA**
1977	January	59.9	56.2	64.0	NA	65.2	61.7	68.4	NA
	February	60.7	57.1	65.0	NA	66.1	62.7	67.2	NA
	March	61.3	57.7	65.4	NA	66.8	63.3	70.7	NA
	April	62.2	58.4	66.1	NA	67.6	64.1	71.7	NA
	May	62.9	58.9	66.7	NA	68.4	64.8	71.2	NA
	June	63.4	59.3	67.2	NA	68.9	65.2	71.7	NA
	July	63.4	59.2	67.3	NA	68.9	65.2	71.4	NA
	August	63.4	58.8	67.0	63.7	68.9	65.8	71.4	NA
	September	63.3	58.5	67.0	63.7	68.9	65.8	71.3	NA
	October	63.2	58.2	67.0	63.6	68.9	65.7	71.3	NA
	November	63.1	58.1	67.0	63.4	68.9	65.6	71.3	NA
	December	63.3	58.2	67.2	63.6	69.1	65.8	70.6	NA
	AVERAGE	**62.6**	**58.2**	**66.4**	**63.6**	**68.1**	**64.7**	**71.0**	
1978	January	61.7	57.2	65.8	61.6	67.7	63.5	69.6	66.0
	February	61.6	57.1	65.7	61.8	67.7	64.0	NA	66.1
	March	61.7	57.0	65.8	61.8	68.0	63.9	69.7	66.0
	April	61.9	57.2	66.1	62.0	68.3	64.3	70.4	NA
	May	62.5	58.2	66.9	62.9	69.0	65.3	NA	NA
	June	63.4	59.0	67.8	64.0	70.0	66.2	NA	NA
	July	64.6	60.6	68.8	65.6	71.1	68.2	73.5	70.3
	August	65.4	61.2	69.8	66.2	72.0	68.8	74.4	71.3
	September	65.8	61.7	70.2	66.9	72.4	69.2	75.2	71.3
	October	65.9	61.5	70.2	66.7	72.5	69.3	74.8	71.8
	November	66.7	62.3	71.1	67.7	73.3	70.1	76.3	73.9
	December	67.5	R63.4	71.7	68.7	R73.7	71.0	77.1	74.7
	AVERAGE	**63.9**	**59.8**	**68.4**	**64.9**	**69.4**	**67.1**	**72.8**	**69.7**
1979	January	68.4	64.0	72.9	69.3	74.8	71.3	78.6	75.1
	February	69.9	65.4	74.5	70.4	76.2	72.8	80.8	77.0
	March	72.5	68.7	77.4	73.8	78.9	76.2	83.5	78.5
	AVERAGE (3 months)	**70.4**	**66.2**	**75.1**	**71.4**	**76.7**	**73.5**	**81.5**	**77.2**

NA=Not available.
R=Revised data.
Sources: Lundberg Survey, Inc. for 1975 through 1977; EIA-8, "Retail Motor Fuels Service Station Survey" for January 1978 through June 1979; EIA-79, "Monthly Motor Gasoline Service Station Survey" for July 1978 forward.

Price

Average Retail Dealer Motor Gasoline Selling Prices for Major[1] and Nonmajor Retail Dealers—February and March 1979

	Full Serve		Self Serve		Full Serve		Self Serve	
	February	March	February	March	February	March	February	March
	Leaded Regular				Unleaded Regular			
	Cents per gallon, including tax							
Major	70.9	73.4	66.0	69.1	75.4	78.1	71.3	74.6
Nonmajor	67.4	70.1	64.7	68.2	71.4	74.5	69.0	72.6
	Leaded Premium				Unleaded Premium			
Major	77.1	79.5	74.2	77.3	81.1	83.6	77.4	79.5
Nonmajor	73.0	76.0	70.7	74.2	76.0	NA	68.7	NA

Average Retail Dealer Motor Gasoline Selling Prices by Department of Energy (DOE) Regions[2]—February and March 1979

DOE Region	Full Serve		Self Serve		Full Serve		Self Serve	
	February	March	February	March	February	March	February	March
	Leaded Regular				Unleaded Regular			
	Cents per gallon, including tax							
1	69.3	72.0	66.8	68.2	73.5	76.4	72.1	72.7
2	68.7	71.6	67.7	70.4	73.5	76.5	72.7	75.0
3	69.0	71.8	65.1	67.9	72.9	76.0	69.7	73.1
4	68.4	70.9	64.1	67.1	73.1	75.9	69.4	72.2
5	71.4	74.0	66.6	69.7	76.4	79.2	71.5	75.3
6	67.9	70.7	62.1	65.7	72.3	74.9	66.4	69.9
7	69.9	72.8	66.2	69.8	73.9	76.8	70.1	73.8
8	72.2	74.6	66.4	71.0	75.7	78.4	70.2	75.1
9	73.1	75.4	67.1	70.6	77.6	80.2	73.1	76.7
10	70.9	73.6	67.9	71.7	75.1	77.8	72.3	75.6
	Leaded Premium				Unleaded Premium			
1	75.2	78.2	74.2	74.6	79.7	82.6	77.9	83.4
2	75.9	79.1	75.3	77.1	80.6	83.3	77.6	NA
3	75.1	77.9	72.9	75.8	78.6	82.0	77.7	78.7
4	74.3	77.1	70.9	74.0	81.8	82.6	76.9	77.0
5	77.4	80.0	73.5	75.7	83.4	86.7	79.8	NA
6	73.1	75.7	68.1	71.5	77.5	79.6	72.7	NA
7	74.5	77.6	71.7	75.6	80.1	82.5	75.6	79.4
8	77.1	80.0	71.3	76.5	81.5	82.7	76.1	NA
9	79.3	81.8	75.3	78.7	78.0	NA	73.0	NA
10	76.9	79.7	74.0	77.5	71.2	NA	75.9	NA

[1] See Explanatory Note 18.
[2] DOE regions are defined in Explanatory Note 19.
R=Revised data.
NA=Not available.
Source: EIA-79, "Monthly Motor Gasoline Service Station Survey."

Price

Aviation and Diesel Fuels

		Aviation					Diesel	
		Aviation Gasoline		Naphtha-Type[1]	Kerosene-Type		No. 2 Diesel	
		Wholesale[2]	Retail[2]	Retail[2]	Wholesale[2]	Retail[2]	Wholesale[3]	Retail[3]
		Cents per gallon, excluding tax						
1976	**AVERAGE**	**42.4**	**43.1**	**31.5**	**32.5**	**31.2**	**31.9**	**34.7**
1977	January	43.4	44.1	33.4	34.6	33.2	34.3	36.6
	February	44.7	45.0	34.0	37.1	34.1	35.3	38.2
	March	45.0	45.7	34.5	35.9	34.6	35.9	39.0
	April	46.0	47.2	34.3	35.9	34.9	36.1	39.6
	May	46.6	47.8	34.3	36.3	35.1	36.5	39.6
	June	46.7	47.6	35.1	36.8	35.7	36.3	39.6
	July	47.0	48.7	35.6	37.1	35.8	36.2	39.6
	August	47.9	50.1	35.5	36.6	36.0	36.2	39.5
	September	47.9	49.1	35.6	37.1	37.0	36.2	40.2
	October	48.1	49.0	35.7	37.3	37.3	36.5	40.3
	November	48.3	47.8	35.8	37.9	37.5	36.7	40.1
	December	47.8	48.1	36.2	37.2	37.8	36.6	39.9
	AVERAGE	**46.7**	**47.7**	**35.0**	**36.7**	**35.8**	**36.1**	**39.3**
1978	January	47.8	49.1	36.9	37.9	38.5	36.6	39.5
	February	48.3	48.4	36.5	38.3	38.2	36.6	39.8
	March	49.1	49.4	36.9	37.8	38.4	36.7	39.7
	April	49.5	51.5	36.8	38.1	38.5	36.5	39.6
	May	50.1	50.0	37.3	38.3	38.6	36.6	39.9
	June	50.4	52.8	37.2	38.9	38.9	36.7	40.1
	July	51.4	52.4	37.6	39.0	38.9	36.4	40.0
	August	52.0	54.0	37.5	38.9	39.3	36.6	40.0
	September	52.6	54.0	37.8	39.2	39.3	37.1	39.8
	October	52.5	56.1	38.5	39.7	39.3	37.7	40.9
	November	53.4	51.4	38.5	40.2	39.4	38.6	41.7
	December	53.2	54.3	38.4	40.6	39.5	39.1	42.0
	AVERAGE	**51.0**	**52.1**	**37.5**	**38.9**	**38.9**	**37.1**	**40.2**
1979	January	54.1	53.9	38.6	42.2	40.1	39.7	R43.0
	February	54.6	R55.1	39.1	R44.3	40.2	41.8	46.1
	March†	56.6	56.8	40.7	54.8	41.3	44.5	47.9
	AVERAGE (3 months)	**55.2**	**55.3**	**39.5**	**48.2**	**40.5**	**42.0**	**45.7**

[1]Nearly all naphtha-type fuels are sold directly to the Defense Fuel Supply Center. Consequently, wholesale prices are not applicable.
[2]Wholesale refers to the price of aviation fuel sold to refiners and resellers, including bulk plants, branded and unbranded jobbers, and aviation fuel distributors. Retail refers to the price of aviation fuel sold to ultimate consumers, including commercial airline and military accounts.
[3]Wholesale refers to the price of diesel fuel sold to other refiners and resellers, including branded jobbers, unbranded jobbers, and commercial accounts. Retail refers to the price at which company-owned and -operated retail dealers sell to consumers.
†Preliminary data.
R=Revised data.
Source: FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

National Average Heating Oil Prices[1]

		Refiners' Average Selling Price to Resellers and Retailers	Residential Average Selling Price[2]	Residential Average Purchase Price[2]	Residential Average Distributor Margin[2]
			Cents per gallon		
1976	**AVERAGE**	**31.4**	**40.6**	**32.6**	
1977	January	34.7	44.4	35.8	9.3
	February	35.4	45.3	36.7	9.4
	March	35.9	45.8	37.0	9.5
	April	35.8	45.9	37.1	9.6
	May	35.7	45.7	37.1	9.5
	June	35.7	45.7	37.1	9.3
	July	35.8	45.8	37.2	9.3
	August	35.7	46.0	37.3	9.2
	September	35.5	46.2	37.4	9.4
	October	36.0	46.7	37.5	9.8
	November	36.3	47.6	37.3	10.2
	December	36.6	47.9	37.2	10.4
	AVERAGE	**35.7**	**46.0**	**36.9**	
1978	January	36.8	48.5	38.1	10.5
	February	36.4	48.6	37.8	11.0
	March	36.2	48.6	37.6	11.1
	April	36.0	48.6	37.6	11.1
	May	36.2	48.3	37.6	11.0
	June	35.8	48.2	37.7	10.7
	July	35.9	48.2	37.7	10.7
	August	36.1	48.2	37.9	10.5
	September	36.9	49.0	38.6	10.6
	October	38.1	50.2	39.6	10.8
	November	39.4	51.5	40.5	11.2
	December	40.1	52.6	41.3	11.6
	AVERAGE	**37.2**	**49.4**	**38.7**	
1979	January	40.9	53.7	42.1	11.8
	February	43.1	R56.3	44.5	R12.0
	March	45.8	58.8	47.0	12.0
	AVERAGE (3 months)	**43.1**	**55.9**	**44.2**	

[1]See Explanatory Note 20.
[2]Average selling prices, purchase prices, and dealer margins represent sales for residential heating oil only.
R=Revised data.
Sources: 1974 through December 1975—Form CLC-92, "No. 2 Heating Oil Monthly Price Adjustment Report;" January 1976 forward—FEA Form P112-M-1/EIA-9, "No. 2 Heating Oil Supply/Price Monitoring Report."

Price

Residential Heating Oil Prices by Region

		Census Region								
		New England	Mid-Atlantic	South Atlantic	East North Central	East South Central	West North Central	West South Central	Mountain	Pacific
		Cents per gallon								
1976	January	41.5	40.0	39.6	38.3	37.8	38.2	35.0	41.2	41.6
	February	41.4	40.3	39.4	38.0	37.7	38.3	34.4	41.0	42.1
	March	41.5	39.8	39.2	37.0	36.7	37.6	34.5	40.4	41.9
	April	41.2	40.0	38.9	37.1	35.9	37.3	34.6	40.3	40.8
	May	41.1	39.7	38.2	37.1	35.6	37.3	34.0	40.4	42.1
	June	40.9	41.1	39.1	37.7	37.2	37.3	34.3	40.3	42.8
	July	40.7	39.8	39.1	37.9	36.9	37.3	34.4	40.1	45.0
	August	41.5	40.3	39.5	38.2	37.2	37.7	34.3	39.7	44.7
	September	41.9	40.8	37.5	38.3	38.0	38.8	34.8	41.1	46.0
	October	42.3	41.4	40.4	39.0	38.5	38.7	35.1	42.1	46.0
	November	43.3	42.4	42.1	40.1	39.8	39.5	36.3	42.8	46.5
	December	44.4	43.6	42.9	41.5	41.0	41.9	36.3	42.7	43.8
1977	January	45.8	44.9	44.2	43.2	43.1	43.0	36.9	43.4	44.6
	February	46.6	45.8	45.7	43.9	43.4	44.0	38.8	44.2	45.2
	March	47.1	46.3	45.5	44.4	43.8	44.6	40.2	44.7	45.9
	April	47.2	46.5	45.5	44.8	43.3	44.2	40.8	44.8	46.4
	May	47.0	46.4	45.6	44.7	43.7	43.7	40.7	44.8	46.5
	June	47.1	46.4	45.7	44.7	44.0	43.3	41.2	45.8	46.8
	July	47.1	46.4	45.7	44.7	44.2	44.2	41.2	44.2	47.9
	August	47.4	46.6	45.6	44.7	43.7	44.5	41.0	44.9	48.2
	September	47.7	46.7	45.8	45.0	44.2	44.9	41.1	44.9	47.2
	October	48.0	47.3	46.4	45.3	43.9	45.4	41.1	45.4	47.4
		DOE Region[1]								
		1	2	3	4	5	6	7	8	9	10
	November	48.5	48.1	47.0	46.1	45.7	NA	44.2	45.4	44.9	47.4
	December	48.9	48.6	47.5	46.6	46.1	NA	44.5	45.7	44.5	47.3
1978	January	49.4	49.2	48.1	47.5	46.4	NA	44.5	45.2	44.7	47.4
	February	49.5	49.3	48.4	47.6	46.4	NA	45.2	45.5	45.6	47.5
	March	49.4	49.3	48.4	47.7	46.5	NA	44.4	45.0	47.0	47.8
	April	49.3	49.2	48.2	47.1	46.4	NA	44.6	45.0	45.1	47.6
	May	49.3	49.1	47.7	46.7	46.3	NA	44.7	45.0	44.4	47.4
	June	49.2	49.1	47.8	46.8	46.0	NA	44.8	45.4	43.9	47.7
	July	49.1	49.0	47.6	46.7	46.4	NA	45.0	45.8	43.5	48.1
	August	49.1	49.0	47.6	47.4	46.3	NA	45.1	45.5	44.8	47.3
	September	50.0	49.7	48.5	46.6	46.8	NA	45.6	46.3	45.0	47.7
	October	51.2	51.0	50.0	48.1	47.6	NA	45.9	46.3	45.9	48.3
	November	52.8	52.3	51.3	49.5	49.2	NA	47.6	47.9	45.8	49.1
	December	54.0	53.4	52.3	50.4	50.2	NA	48.2	48.7	46.7	49.9
1979	January	55.1	54.5	53.3	51.6	51.5	NA	49.6	50.4	47.6	50.8
	February	57.7	57.3	55.5	53.2	53.7	NA	51.3	51.4	49.4	52.9
	March	60.6	59.8	57.5	54.3	56.3	NA	54.7	55.3	50.8	55.3

[1]DOE regions are defined in Explanatory Note 19.
R=Revised data.
NA=Not available. Data for Region 6 are based on a sample of less than four reporting firms.
Note: Average regional distributor purchase prices for heating oil for the period January 1975 through February 1976 are published on page 70 of the October 1977 issue of the *Monthly Energy Review*.
Source: FEA Form P112-M-1/EIA-9, "No. 2 Heating Oil Supply/Price Monitoring Report."

Price

Average No. 6 Residual Fuel Oil Prices

		0.0 to 0.3 percent sulfur		0.31 to 1.0 percent sulfur		Greater than 1.0 percent sulfur		Average	
		Wholesale	Retail	Wholesale	Retail	Wholesale	Retail	Wholesale	Retail
		Dollars per barrel, excluding taxes							
1976	**AVERAGE**	**12.20**	**12.54**	**10.83**	**11.79**	**9.98**	**10.43**	**10.72**	**11.49**
1977	January	14.06	14.34	12.79	13.68	11.51	12.32	12.45	13.32
	February	14.00	14.60	12.91	14.06	12.04	12.74	12.69	13.71
	March	14.00	14.58	13.47	14.51	11.62	12.70	12.68	13.84
	April	12.88	14.63	13.05	14.10	11.27	12.50	12.04	13.61
	May	13.56	14.48	11.90	13.73	11.05	12.15	11.64	13.42
	June	13.12	14.28	11.88	13.27	11.10	11.93	11.72	13.02
	July	13.31	14.38	11.73	13.12	11.02	12.06	11.62	13.01
	August	13.32	14.15	11.83	13.08	11.89	12.01	12.06	13.00
	September	13.35	14.33	11.79	13.11	11.78	12.19	12.03	12.94
	October	13.38	14.30	11.69	13.15	11.71	12.33	12.10	13.15
	November	12.85	14.24	11.66	12.93	11.44	12.15	11.76	12.96
	December	12.87	13.95	11.38	12.60	10.77	11.95	11.28	12.70
	AVERAGE	**13.45**	**14.36**	**12.09**	**13.45**	**11.31**	**12.27**	**11.96**	**13.23**
1978	January	12.72	14.19	11.56	12.70	10.71	12.00	11.33	12.79
	February	12.20	14.05	11.64	12.42	10.58	11.75	11.25	12.53
	March	12.73	13.99	11.94	12.75	10.48	11.70	11.36	12.63
	April	12.72	14.51	12.26	12.95	10.84	11.85	11.57	12.87
	May	12.67	14.21	12.01	12.88	10.79	11.74	11.70	12.79
	June	12.37	13.99	11.83	12.58	10.82	11.60	11.41	12.50
	July	11.26	13.93	11.29	12.01	10.51	11.48	10.86	12.21
	August	11.41	14.09	11.24	11.97	10.46	11.54	10.70	12.34
	September	12.29	14.18	11.46	12.30	10.69	11.39	11.26	12.43
	October	13.43	14.63	12.06	13.00	10.83	11.82	11.76	13.01
	November	14.12	15.55	13.26	13.77	10.87	11.54	12.36	13.34
	December	14.66	15.98	13.19	14.13	11.04	11.82	12.57	13.75
	AVERAGE	**12.77**	**14.47**	**11.95**	**12.78**	**10.73**	**11.70**	**11.51**	**12.75**
1979	January	15.16	16.12	13.68	14.79	11.00	11.92	12.78	14.13
	February	R16.12	17.28	R15.01	R15.30	R11.28	R12.28	13.72	14.68
	March†	15.84	17.99	16.45	15.90	13.25	13.95	14.82	15.95
	AVERAGE (3 months)	**15.70**	**17.08**	**14.96**	**15.61**	**11.84**	**12.77**	**13.77**	**14.91**

†Preliminary data.
R=Revised data.
Note: Wholesale refers to the price of residual fuel sold to other refiners and resellers, including bulk plants, branded and unbranded jobbers, and other residual dealers. Retail refers to the price at which residual fuel oil is sold to ultimate consumers such as utility, industrial, institutional, commercial, and residential accounts.
Source: FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

Wholesale[1] Propane and Butane

		Propane	Butane
		Cents per gallon, excluding taxes	
1976	**AVERAGE**	**20.6**	**21.9**
1977	January	22.9	23.0
	February	24.0	24.3
	March	23.7	24.9
	April	23.6	24.2
	May	24.5	25.8
	June	24.5	25.6
	July	24.9	26.2
	August	25.5	26.1
	September	25.9	27.4
	October	26.8	26.3
	November	26.5	25.8
	December	26.7	25.8
	AVERAGE	**25.0**	**25.4**
1978	January	27.0	25.9
	February	26.5	25.1
	March	25.6	24.9
	April	24.4	23.9
	May	23.7	22.8
	June	23.3	22.9
	July	23.0	22.1
	August	22.7	21.8
	September	22.6	21.8
	October	22.5	20.9
	November	22.1	22.0
	December	22.1	22.7
	AVERAGE	**24.0**	**23.0**
1979	January	22.4	24.9
	February	21.8	28.5
	March†	21.2	32.5

[1]Wholesale refers to the price at which refiners, resellers, retailers, and gas plants sell to one another, including sales to agricultural and industrial accounts. Excludes butane/propane mixtures.
†Preliminary data.
Source: FEA Form P302-M-1, "Petroleum Industry Monthly Report for Product Prices."

Price

Natural Gas Prices Reported by Major Interstate Pipeline Companies

		Purchases			Sales		
		From Domestic Producers	From Canadian and Foreign Sources	Total Purchases	To Industrial Users[1]	To Resellers[2]	Total Sales
		Cents per thousand cubic feet					
1976	January	38.3	164.0	48.7	88.2	90.1	90.6
	February	39.7	165.3	50.1	88.2	93.8	94.1
	March	39.4	164.5	49.9	86.8	92.0	92.2
	April	40.5	164.3	51.5	89.0	96.5	96.4
	May	42.2	165.0	52.7	87.4	99.2	98.5
	June	43.7	166.6	54.0	89.8	99.4	98.8
	July	43.8	168.4	53.8	94.6	102.7	102.0
	August	56.4	167.7	65.7	98.2	105.3	104.6
	September	68.6	183.7	77.9	103.9	93.1	94.7
	October	57.6	190.1	69.3	106.7	105.8	106.2
	November	52.6	182.4	63.6	113.5	106.7	107.5
	December	54.0	189.4	65.7	133.1	117.8	118.6
1977	January	59.4	201.8	71.6	143.2	124.3	125.4
	February	63.4	199.7	76.4	130.6	130.4	131.0
	March	69.8	200.4	83.4	129.3	132.1	132.5
	April	65.3	190.7	76.5	128.1	131.0	131.1
	May	69.1	191.3	80.5	128.1	133.9	133.5
	June	69.2	188.6	79.6	125.3	135.1	134.2
	July	72.1	187.7	81.8	134.3	135.9	135.7
	August	71.1	185.5	81.5	133.5	134.0	133.9
	September	71.8	194.7	84.0	131.8	135.7	135.4
	October	74.2	211.9	87.4	133.9	135.6	135.6
	November	74.8	214.2	87.7	134.4	141.6	141.4
	December	73.9	216.5	86.7	138.3	132.1	133.0
1978	January	74.0	211.2	86.4	150.4	138.2	139.2
	February	76.3	R211.3	R89.2	158.2	141.5	142.8
	March	79.3	212.5	R91.1	149.7	R144.7	R145.5
	April	80.3	222.0	92.5	149.8	147.7	148.2
	May	81.2	218.5	92.4	149.0	149.7	150.0
	June	83.6	220.5	94.3	148.3	153.0	152.7
	July	84.2	226.7	95.1	149.5	155.7	155.0
	August	84.3	222.5	95.6	148.9	154.7	154.0
	September	88.1	216.8	99.6	152.0	155.4	155.0
	October	90.7	225.3	101.7	158.5	157.4	157.8
	November	90.1	219.3	102.3	171.0	161.0	162.1
	December	95.8	215.1	107.6	169.9	159.8	161.0
1979	January	99.5	215.7	110.4	192.1	161.0	163.1
	February	101.7	219.0	114.0	195.4	164.5	166.7
	March	106.1	224.8	118.4	186.8	171.5	173.2

[1]Represents direct sales by pipeline companies to industrial users. Does not include sales to industrial users by resellers.
[2]Includes the cost of gas to the distributing utility at entrance of distribution system or point of receipt.
R=Revised data.
Source: Federal Power Commission Form 11, "Natural Gas Pipeline Company Monthly Statement."

Price

Average Intrastate Natural Gas Prices for Selected States by Type of Contract[1,2]

	California		Kansas		Louisiana		Oklahoma		Texas	
	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended	New Contracts	Renegotiated or Amended
	Cents per thousand cubic feet									
1976										
January	—	83.97	103.81	84.54	138.75	131.23	149.87	109.39	181.05	193.31
February	—	40.00	—	109.68	125.00	145.30	133.72	146.71	176.63	191.54
March	—	—	150.36	—	145.66	155.39	162.83	168.57	178.70	176.44
April	195.00	—	150.00	—	142.99	154.05	162.12	148.30	202.60	152.95
May	122.00	60.39	180.39	149.84	125.54	106.05	156.35	164.02	154.00	197.22
June	—	—	114.45	150.82	147.11	137.67	169.56	168.14	178.01	192.98
July	—	117.15	137.57	150.83	127.55	141.71	148.20	95.00	151.19	176.23
August	—	97.38	—	—	138.70	164.23	151.81	171.49	157.98	198.81
September	—	—	—	125.68	164.10	156.39	164.85	172.00	184.07	197.66
October	—	—	—	111.72	144.64	149.91	163.48	161.16	196.58	188.80
November	—	—	150.82	144.21	—	131.91	162.57	90.73	186.80	182.82
December	—	97.47	160.73	—	194.51	152.45	167.55	175.98	198.71	202.54
1977										
January	—	105.58	155.49	—	155.82	137.65	172.35	167.49	193.36	204.06
February	—	107.27	121.66	—	141.33	120.84	147.86	131.27	185.55	203.22
March	119.79	116.28	148.18	—	219.43	208.97	168.57	168.28	197.14	190.83
April	—	—	137.10	156.38	216.41	150.35	165.61	167.89	192.22	205.44
May	—	107.20	119.00	—	197.53	158.97	156.52	171.09	204.06	201.27
June	—	112.21	91.49	—	180.21	169.61	166.69	169.51	194.54	206.41
July	—	139.02	88.57	174.53	174.90	169.64	172.95	168.25	206.96	202.46
August	—	—	131.97	90.49	177.99	166.66	164.33	158.46	188.96	183.57
September	—	—	—	136.66	163.72	162.49	171.78	172.70	167.14	212.44
October	—	—	—	75.63	201.26	142.88	148.44	175.01	202.73	204.08
November	135.00	136.15	150.39	105.80	—	182.97	166.26	174.78	186.94	199.11
December	—	124.40	147.09	166.59	196.42	154.23	160.32	173.49	207.65	203.32
1978										
January	—	173.80	137.50	184.32	194.38	202.88	169.22	180.65	168.54	211.52
February	—	—	—	163.54	180.37	181.40	165.35	178.74	163.94	211.32
March	—	—	—	203.60	198.62	182.35	175.48	177.37	170.64	196.60
April	—	—	185.36	60.19	201.85	237.64	181.08	166.69	202.35	202.59
May	—	—	—	197.49	198.18	197.07	171.98	175.67	213.52	193.90
June	—	—	—	135.13	—	212.50	138.00	174.68	187.68	205.71
July	—	172.04	156.00	186.01	204.13	201.70	163.62	153.54	203.53	209.16
August	—	170.53	—	176.46	199.52	216.90	162.85	173.70	196.45	200.14
September	145.50	—	150.82	191.06	193.75	199.62	146.04	173.71	197.04	216.13
October	170.00	163.00	185.18	201.27	201.01	157.02	187.20	167.67	213.21	188.23
November	—	171.43	210.95	148.01	198.00	194.80	172.92	140.24	197.61	200.74

[1]Prices are for Federal Energy Regulatory Commission jurisdictional natural gas companies selling more than 1 billion cubic feet per year in intrastate commerce.
[2]Dash (—)=No contracts negotiated or renegotiated.
Source: Federal Power Commission Form 45, "Summary of Intrastate Natural Gas Prices."

Price

Average Wellhead Value of Natural Gas Production[1]

		Cents per thousand cubic feet
1973	**AVERAGE**	**21.6**
1974	**AVERAGE**	**30.4**
1975	**AVERAGE**	**44.5**
1976	January	53.9
	February	54.0
	March	54.2
	April	54.5
	May	54.8
	June	57.8
	July	57.5
	August	60.1
	September	60.3
	October	61.7
	November	63.0
	December	64.4
	AVERAGE	**58.0**
1977	January	67.1
	February	71.0
	March	74.9
	April	77.2
	May	76.7
	June	82.3
	July	83.1
	August	82.3
	September	83.3
	October	84.0
	November	83.2
	December	84.4
	AVERAGE	**79.0**
1978	January	86.7
	February	87.5
	March	88.7
	April	87.2
	May	90.0
	June	90.0
	July	88.2
	August	90.5
	September	91.3
	October	91.3
	November	91.8

Average Retail Prices for Natural Gas Sold to Residential Customers for Heating Use[2]

		Cents per thousand cubic feet
1976	January	171.4
	February	175.2
	March	177.0
	April	178.4
	May	180.8
	June	183.2
	July	184.5
	August	185.8
	September	191.2
	October	195.0
	November	198.3
	December	208.3
1977	January	213.8
	February	217.0
	March	219.9
	April	223.7
	May	227.0
	June	227.3
	July	229.9
	August	230.1
	September	230.4
	October	235.1
	November	238.4
	December	237.3
1978	January	241.6
	February	243.0
	March	247.0
	April	248.7
	May	255.2
	June	254.2
	July	NA
	August	NA
	September	NA
	October	NA
	November	285.8
	December	290.1
1979	January	297.7
	February	300.5
	March	305.5

[1]Sources: Annual data from the appropriate agencies of the individual producing states; monthly data are estimated primarily on the basis of values reported by state agencies in New Mexico, Oklahoma, and Texas.
[2]Source: Bureau of Labor Statistics.

Price

Average Retail Electricity Prices[1]

		Residential	Commercial	Industrial	Other	Total[2]
				Cents per kilowatt-hour		
1973	**AVERAGE**	**2.54**	**2.41**	**1.25**	**2.10**	**1.96**
1974	**AVERAGE**	**3.10**	**3.04**	**1.69**	**2.75**	**2.49**
1975	**AVERAGE**	**3.51**	**3.45**	**2.07**	**3.08**	**2.92**
1976	**AVERAGE**	**3.73**	**3.69**	**2.21**	**3.27**	**3.09**
1977	January	3.62	3.78	2.35	3.36	3.20
	February	3.69	3.86	2.40	3.45	3.25
	March	3.95	4.00	2.44	3.40	3.33
	April	4.07	4.04	2.43	3.46	3.34
	May	4.19	4.09	2.45	3.64	3.38
	June	4.17	4.11	2.48	3.59	3.43
	July	4.20	4.12	2.58	3.59	3.56
	August	4.35	4.37	2.64	3.69	3.69
	September	4.26	4.21	2.60	3.59	3.58
	October	4.25	4.27	2.57	3.47	3.53
	November	4.18	4.22	2.55	3.56	3.47
	December	3.97	4.11	2.52	3.34	3.41
	AVERAGE	**4.05**	**4.09**	**2.50**	**3.51**	**3.42**
1978	January	3.90	4.11	2.60	3.47	3.46
	February	R3.94	R4.16	R2.73	R3.47	R3.54
	March	R4.14	R4.34	R2.86	3.68	R3.69
	April	4.34	4.41	2.81	3.75	3.69
	May	4.45	4.43	2.76	3.89	3.68
	June	4.54	4.49	2.80	3.76	3.77
	July	4.50	4.40	2.83	3.70	3.82
	August	4.51	4.40	2.81	3.72	3.80
	September	4.48	4.41	2.79	3.72	3.78
	October	4.48	4.46	2.78	3.53	3.72
	November	4.39	4.38	2.76	3.53	3.65
	December	4.20	4.31	2.76	3.54	3.63
	AVERAGE	**4.31**	**4.36**	**2.77**	**3.62**	**3.69**
1979	January	4.08	4.29	2.82	3.58	3.65
	February	4.09	4.30	2.86	3.69	3.66
	March	4.28	4.44	2.89	3.87	3.75
	AVERAGE (3 months)	**4.15**	**4.34**	**2.86**	**3.71**	**3.69**

[1]Prices are for Classes A and B privately owned electric utilities.
[2]Average price for total sales to ultimate consumers.
R=Revised data.
Source: Federal Power Commission, Form 5, "Monthly Statement of Electric Operating Revenue and Income."

Price

Utility Fossil Fuels
Average Delivered Prices of Coal at Utilities

		Contract	Spot
		Dollars per short ton	
1976	**AVERAGE**	**17.90**	**21.33**
1977	January	17.87	21.93
	February	18.28	22.71
	March	18.75	23.27
	April	18.82	22.41
	May	18.97	23.73
	June	19.03	24.62
	July	19.35	25.13
	August	18.95	24.73
	September	19.75	26.14
	October	20.31	26.83
	November	20.51	27.01
	December	20.49	28.01
	AVERAGE	**19.25**	**24.99**
1978	January	16.94	30.27
	February	16.50	30.50
	March	18.59	31.52
	April	21.43	30.42
	May	22.23	29.62
	June	22.88	28.95
	July	22.08	28.94
	August	22.12	28.95
	September	22.66	29.06
	October	23.53	28.96
	November	24.03	29.29
	December	23.99	29.11
	AVERAGE	**21.41**	**29.63**

Source: Federal Power Commission Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Price

Cost of Fossil Fuels Delivered to Steam Electric Utility Plants

All Fossil Fuels[1]

Region	1978 FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1979 JAN	FEB
	Cents per million Btu												
New England	196.5	193.9	199.0	195.1	190.3	191.1	190.4	190.9	194.9	192.9	207.5	206.8	223.3
Middle Atlantic	199.5	182.0	153.2	150.9	157.4	157.9	155.4	154.9	156.7	159.6	163.5	170.2	180.5
East North Central	184.6	172.3	128.5	124.4	125.0	130.9	128.6	125.3	130.2	132.5	137.0	142.5	146.9
West North Central	110.9	106.1	95.4	91.1	97.0	102.0	98.1	98.5	99.5	100.7	105.9	121.6	124.3
South Atlantic	172.8	169.3	147.5	143.2	146.0	150.5	147.0	148.5	148.0	147.8	154.6	158.9	163.3
East South Central	147.1	145.2	126.6	120.0	123.8	128.6	124.4	125.1	124.1	125.4	128.3	129.7	128.1
West South Central	130.9	124.7	133.8	133.7	137.2	135.0	132.8	132.3	127.3	129.4	131.7	144.4	143.6
Mountain	64.8	67.1	66.0	72.5	74.5	74.9	74.7	75.8	83.3	82.3	82.8	89.3	91.4
Pacific	216.8	225.8	232.8	228.7	223.7	219.2	225.1	232.2	237.3	245.2	245.8	245.9	243.1
NATIONAL AVG.	**154.3**	**151.6**	**135.4**	**132.8**	**136.0**	**138.2**	**135.9**	**135.8**	**138.1**	**138.8**	**142.9**	**150.4**	**154.3**

Coal

New England	143.5	150.7	153.4	146.8	155.3	143.3	143.9	147.2	147.4	147.0	146.8	147.1	150.3
Middle Atlantic	116.2	124.3	116.4	118.7	125.0	117.9	119.4	121.4	121.1	120.6	120.3	121.2	122.6
East North Central	138.5	137.3	117.8	116.6	117.6	121.1	120.5	119.9	120.9	123.9	123.8	124.3	123.7
West North Central	94.0	93.5	87.6	86.6	91.6	92.2	91.3	92.0	93.6	95.2	95.1	96.0	95.3
South Atlantic	129.4	139.6	130.6	129.1	129.2	129.9	127.5	129.6	132.5	134.1	138.8	136.6	136.4
East South Central	131.5	136.0	123.1	116.2	118.3	119.0	118.4	119.0	119.3	120.8	122.6	122.6	121.3
West South Central	83.5	67.6	67.0	69.0	68.6	68.6	68.0	77.3	74.1	73.4	81.4	88.2	89.3
Mountain	45.6	46.4	48.1	51.3	50.3	50.3	55.1	57.8	61.5	60.2	58.7	62.6	62.9
Pacific	71.2	75.0	78.8	78.3	78.8	77.6	77.9	79.4	79.9	78.2	78.6	84.3	82.9
NATIONAL AVG.	**102.1**	**113.4**	**110.9**	**110.6**	**112.0**	**110.2**	**110.0**	**111.4**	**114.0**	**115.6**	**115.9**	**115.8**	**114.6**

Residual Fuel Oil[1]

New England	193.5	195.3	201.0	198.1	192.3	189.9	191.0	191.9	196.8	195.6	211.3	210.6	227.8
Middle Atlantic	207.4	207.8	209.5	208.8	206.4	202.8	203.4	209.3	214.7	224.2	226.0	232.2	243.4
East North Central	254.1	262.0	260.0	259.6	264.5	274.0	271.5	253.4	247.9	260.6	261.5	282.2	295.9
West North Central	183.0	189.3	179.4	188.7	191.8	184.1	194.0	216.3	217.1	217.6	212.6	233.9	265.4
South Atlantic	198.7	198.4	198.2	200.2	194.1	190.4	192.6	196.5	207.0	211.7	215.3	224.7	233.0
East South Central	182.0	182.8	180.6	173.4	182.8	181.9	178.5	176.8	172.4	168.8	177.4	174.7	198.3
West South Central	183.2	182.0	187.7	192.5	192.1	187.8	178.8	188.3	184.1	189.8	207.0	206.8	227.3
Mountain	221.3	226.1	212.3	202.8	205.2	207.8	209.0	215.2	215.3	252.0	228.2	237.3	233.6
Pacific	242.7	250.6	256.5	257.5	260.9	256.4	258.5	260.5	266.8	270.1	266.4	262.9	267.9
NATIONAL AVG.	**207.8**	**209.6**	**213.1**	**213.7**	**209.9**	**205.0**	**205.6**	**211.2**	**219.8**	**225.6**	**228.7**	**231.8**	**245.6**

Natural Gas[2]

New England	222.1	182.1	184.2	184.3	185.8	200.9	185.0	184.6	192.5	187.6	193.7	208.4	219.1
Middle Atlantic	159.8	159.3	161.5	162.5	171.5	169.9	169.5	178.7	223.1	190.8	180.7	179.2	183.0
East North Central	269.3	338.6	190.6	191.7	200.0	200.8	210.8	204.6	211.0	201.6	209.8	217.2	241.7
West North Central	119.4	122.6	118.0	118.5	118.8	121.1	123.6	122.3	125.5	128.1	135.2	143.0	145.5
South Atlantic	98.4	97.9	102.9	112.3	105.2	110.7	113.5	114.1	107.7	109.2	105.1	94.1	103.0
East South Central	150.1	158.4	150.2	155.2	150.5	159.9	157.3	160.3	163.1	164.5	187.3	175.6	177.9
West South Central	128.5	124.9	137.7	135.8	140.1	140.1	138.9	137.1	134.8	134.8	133.9	146.2	147.6
Mountain	139.2	146.5	127.5	150.2	153.7	145.8	146.0	145.3	150.0	160.3	177.0	178.1	174.9
Pacific	208.6	220.5	220.1	220.4	213.4	213.5	218.8	223.4	223.3	222.1	227.7	231.0	224.9
NATIONAL AVG.	**135.1**	**140.2**	**140.2**	**143.5**	**149.3**	**149.8**	**149.4**	**146.6**	**147.1**	**141.1**	**139.4**	**150.2**	**159.1**

[1]See Explanatory Note 21.
[2]Includes small quantities of coke oven gas, refinery gas, and blast furnace gas.
Source: Federal Power Commission Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

International

Petroleum Consumption

January 1979 consumption data are available only for the United States, three other IEA countries (Japan, United Kingdom, and Italy) and France. Consumption in these five countries was 6.8 percent higher than in January 1978. The 10.8 percent increase recorded by Japan (5,809 thousand barrels per day in January 1979 compared to 5,245 thousand barrels per day a year earlier) is the largest increase of the five nations.

Crude Oil Production

Total production by the Organization of Petroleum Exporting Countries increased to 30.2 million barrels per day in March, up nearly 1.5 percent from that of February. The increase reflects primarily, the resumption of production in Iran after operating at near shutdown levels for several months. Production by Saudi Arabia, the world's second largest producer after the USSR, remained at a high level. Output during the first quarter of 1979 averaged about 9.8 million barrels per day.

International

Petroleum Consumption for Major Free World Industrialized Countries

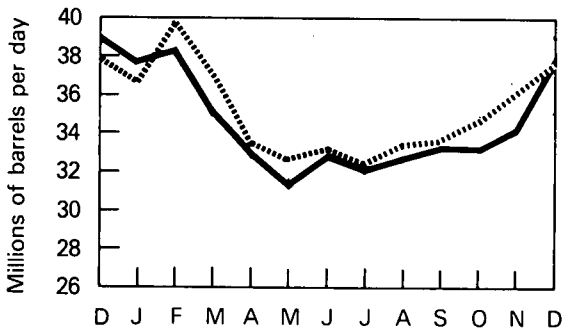
		Total IEA[1]	Japan	West Germany	France[2]	United Kingdom	Canada	Italy[3]
				Thousand barrels per day				
1973	**AVERAGE**	**33,600**	**5,000**	**2,693**	**2,219**	**R1,958**	**1,597**	**1,525**
1974	**AVERAGE**	**32,390**	**4,872**	**2,408**	**2,094**	**R1,829**	**1,630**	**1,521**
1975	**AVERAGE**	**31,235**	**4,568**	**2,319**	**1,925**	**1,633**	**1,595**	**1,468**
1976	**AVERAGE**	**33,180**	**4,786**	**2,507**	**2,075**	**R1,601**	**1,647**	**1,503**
1977	January	37,700	5,433	2,393	2,519	1,830	1,776	1,696
	February	38,600	6,025	2,446	2,386	1,844	1,901	1,823
	March	35,000	5,539	2,523	2,109	1,818	1,651	1,573
	April	32,800	4,714	2,431	2,043	1,671	1,523	1,326
	May	31,300	4,314	2,364	1,846	1,546	1,524	1,268
	June	32,900	4,484	2,475	1,715	R1,454	1,593	1,340
	July	31,800	4,716	2,382	1,349	1,300	1,497	1,251
	August	32,700	4,709	2,469	1,390	1,349	1,690	1,140
	September	33,400	4,742	2,567	1,783	1,555	1,527	1,502
	October	33,300	4,664	2,324	1,882	1,545	1,626	1,405
	November	34,300	5,093	2,649	2,181	R1,912	1,718	1,605
	December	37,900	5,800	2,719	2,512	R1,890	1,925	1,817
	AVERAGE	**34,300**	**5,015**	**2,478**	**1,973**	**R1,655**	**R1,661**	**1,476**
1978	January	36,600	5,245	2,461	2,645	R1,824	1,777	1,763
	February	39,900	5,966	R3,014	2,598	1,899	1,956	1,906
	March	36,900	5,621	2,610	2,236	1,840	1,681	1,589
	April	33,400	4,831	2,577	2,044	1,791	1,561	1,339
	May	32,600	4,427	R2,341	2,131	1,618	1,522	1,300
	June	33,300	4,625	2,611	1,687	1,499	1,622	1,354
	July	32,300	4,704	R2,693	1,364	1,401	1,549	1,338
	August	33,500	4,857	2,338	1,325	1,447	1,680	1,197
	September	33,700	R4,827	2,561	1,665	1,557	1,595	1,566
	October	34,700	R4,850	2,633	1,997	1,676	1,749	1,573
	November	36,100	5,415	R2,772	2,472	R1,802	R1,882	1,828
	December	37,800	6,150	2,578	2,800	1,846	1,915	1,889
	AVERAGE	**35,000**	**5,122**	**R2,596**	**2,077**	**R1,683**	**R1,701**	**R1,551**
1979	January	NA	R5,809	NA	2,753	1,883	NA	1,930
	February	NA	NA	NA	2,710	NA	NA	1,910

[1]The 20 signatory nations of the International Energy Agency (EIA) are: Australia, Austria, Belgium, Canada, Denmark, West Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.
[2] Not a member of IEA.
[3] Principal products only.
NA=Not available.
R=Revised data.
Note: Total IEA data represent domestic demand in the United States and sales of petroleum products for all other members. Sales exclude refinery fuel, refinery losses, and ocean bunkers. Experience has shown that this total IEA quantity is between 93 and 95 percent of total IEA consumption.
Source: Central Intelligence Agency, National Foreign Assessment Center, *International Energy Statistical Review*, 2 May 1979.

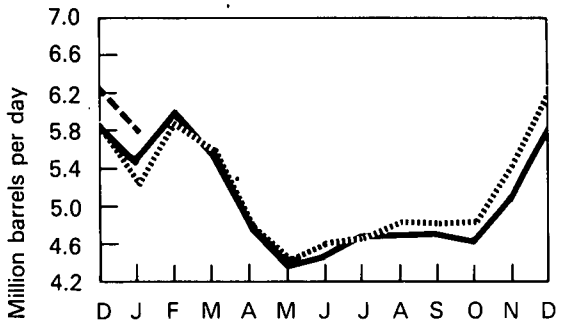
International

Petroleum Consumption

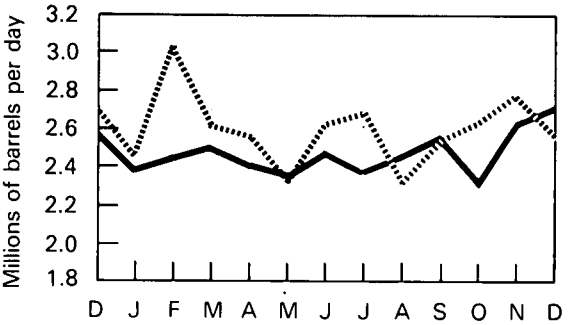
Total IEA



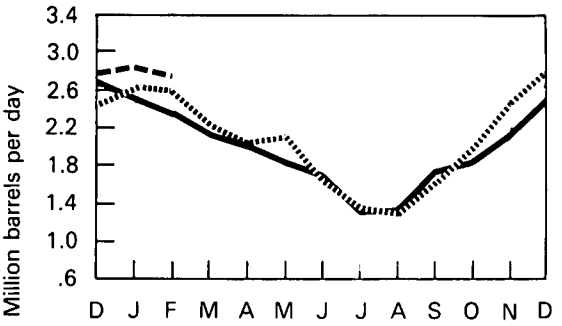
Japan*



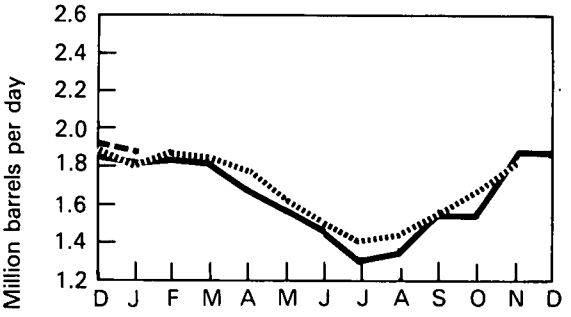
West Germany



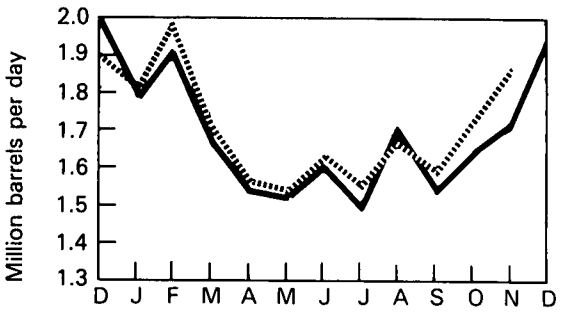
France**



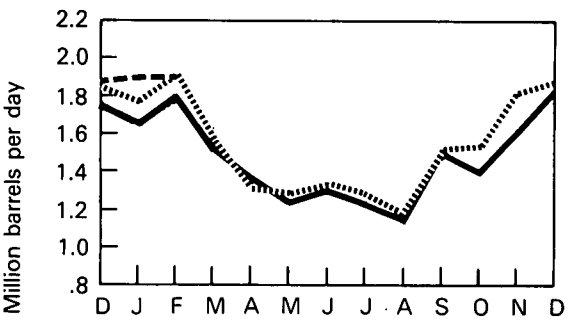
United Kingdom



Canada



Italy***



1977
1978
1979

*Excludes liquefied petroleum gases and condensates.
**Not a member of IEA.
***Principal products only.

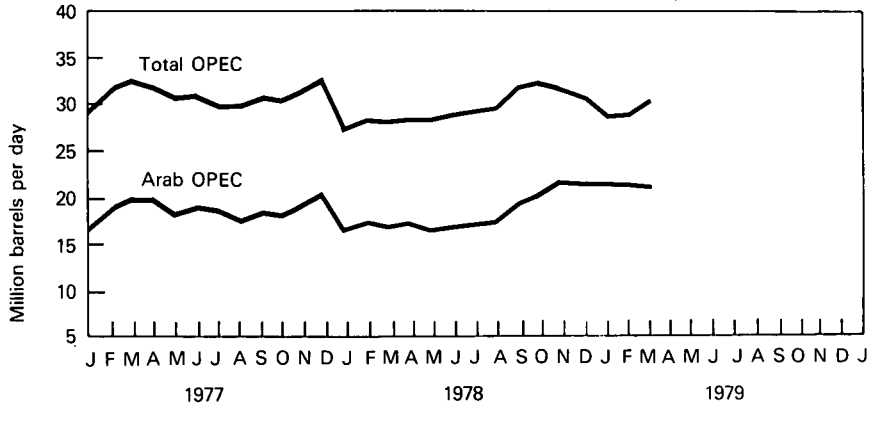
International

Crude Oil Production for Major Petroleum Exporting Countries

Country	1973 Year	1974 Year	1975 Year	1976 Year	1977 Year	1978 Year	March 1979 Production	March 1979 Production Capacity: Maximum Sustainable	March 1979 Production Capacity: Unused
	Thousand barrels per day								
Algeria	1,070	960	960	990	R1,122	1,230	1,230	1,230	0
Iraq	2,020	1,970	2,260	2,415	R2,493	2,630	3,300	3,300	0
Kuwait[1]	3,020	2,545	2,085	2,145	R1,969	2,130	2,290	2,900	610
Libya	2,175	1,520	1,480	1,935	R2,064	1,990	2,140	2,200	60
Qatar	570	520	440	495	R445	490	370	600	230
Saudi Arabia[1]	7,595	8,480	7,075	8,575	9,200	8,290	9,770	10,300	530
United Arab Emirates	1,535	1,680	1,665	1,935	R1,999	1,830	1,820	2,360	540
Subtotal: Arab OPEC	**17,985**	**17,675**	**15,965**	**18,490**	**R19,292**	**18,590**	**20,920**	**22,890**	**1,970**
Ecuador	210	175	160	185	R183	200	230	230	0
Gabon	150	200	225	225	R222	230	230	230	0
Indonesia	1,340	1,375	1,305	1,505	R1,685	1,640	1,630	1,650	20
Iran	5,860	6,020	5,350	5,885	R5,699	5,210	2,350	[3]6,600	4,250
Nigeria	2,055	2,255	1,785	2,070	R2,097	1,910	2,440	2,400	([2])
Venezuela	3,365	2,975	2,345	2,295	R2,238	2,160	2,430	2,400	([2])
Subtotal: Non-Arab OPEC	**12,980**	**13,000**	**11,170**	**12,165**	**R12,124**	**11,350**	**9,310**	**13,510**	**4,270**
TOTAL OPEC	**30,965**	**30,675**	**27,135**	**30,655**	**R31,416**	**29,940**	**30,230**	**36,400**	**6,240**
Canada	1,800	1,695	1,460	1,300	R1,321	1,320	1,540	1,680	140
Mexico	465	580	720	850	R981	1,210	1,400	1,500	100
TOTAL OPEC, Canada, Mexico	**33,230**	**32,950**	**29,315**	**32,805**	**R33,718**	**32,470**	**33,170**	**39,580**	**6,480**
TOTAL WORLD	**55,755**	**55,875**	**52,990**	**57,340**	**R60,002**	**60,180**	**62,150**		

[1] Includes about one-half of the former Kuwait-Saudi Arabia Neutral Zone. Production in March 1979 amounted to approximately 570,000 barrels per day.
[2] Production may exceed maximum sustainable capacity for brief periods.
[3] The impact of the recent shutdown of Iranian oilfields on capacity is not yet known.
Sources: Central Intelligence Agency, National Foreign Assessment Center, *International Energy Statistical Review*, May 2, 1979, Petroleum Intelligence Weekly, May 14, 1979, National Energy Board of Canada, and U.S. Department of Energy.

OPEC Countries Crude Oil Production



Definitions

Base Production Control Level

1. Prior to February 1, 1976: the total number of barrels of domestic crude oil produced and sold from a particular property in the corresponding month of 1972. If domestic crude oil was not produced and sold from that property in every month of 1972, the total number of barrels of domestic crude oil produced and sold from that property in 1972, is then divided by 12.

2. Effective February 1, 1976: the total number of barrels of crude oil produced and sold from the property during calendar year 1975, divided by 365, and multiplied by the number of days in the particular month during 1975. A producer may elect to use the total number of barrels of crude oil produced and sold from the property during calendar year 1972, divided by 366, and multiplied by the number of days in the particular month during 1972.

Ceiling Price

The maximum permissible selling price, prior to February 1, 1976, for a particular grade of domestic crude oil in a particular field is the May 15, 1973, posted price, plus $1.35 per barrel.

Controlled Crude Oil

Crude oil that was domestically produced prior to February 1, 1976, subject to the ceiling price for crude oil. For a particular property which is not a stripper well lease, the volume of controlled oil equals the base production control level minus an amount of released oil equal to the new oil production from that property.

Crude Oil Domestic Production

Domestic crude oil production is measured at the wellhead and includes lease condensate, which is a natural gas liquid recovered from lease separators or field facilities.

Crude Oil Entitlement Value

The average value a refiner receives from the entitlement program for each incremental barrel of imported crude oil. It is calculated by multiplying the entitlement price by the National Old Oil Supply Ratio for November 1974 through January 1976, and by the National Domestic Crude Oil Supply Ratio for February 1976 forward.

Crude Oil Imports

The volume of crude oil imported into the 50 States and the District of Columbia, including imports from U.S. territories, but excluding imports of crude oil into the Hawaiian Foreign Trade Zone.

Crude Oil Refinery Input

Total crude oil (including lease condensate) input to crude oil distillation units and other units for processing.

Crude Oil Stocks

Stocks of crude oil and lease condensate held at refineries, in pipelines, at pipeline terminals, and on leases.

Cumulative Deficiency

A measure of the cumulative deficit of production below the base production control level after the first month in which new oil was produced and sold from a specific property.

Dealer Tankwagon (DTW) Price

The price at which a dealer purchases gasoline from a distributor or a jobber.

Distillate Fuel Oil

A light fuel oil distilled off during the refining process. Included are products known as No. 1 and No. 2 heating oils, diesel fuels, and No. 4 fuel oil, which conform to either ASTM Specification D396 or D975. These products are used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel), and electric power generation.

Domestic Demand for Specific Refined Petroleum Products

A calculated value, computed as domestic production plus net imports (imports less exports), less the net increase in primary stocks. It, therefore, represents the total disappearance of refined products from primary supplies. (See definition for **Domestic Demand for Total Refined Petroleum Products.**)

Domestic Demand for Total Refined Petroleum Products

Total domestic demand for petroleum products is calculated as inputs to refineries, plus estimated refinery gain, plus hydrogen input, plus natural gas plant liquids production, plus direct use of crude as fuel, plus product imports, less product exports, plus or minus stock change of products. (See definition for **Domestic Demand for Specific Refined Petroleum Products.**)

Electricity Production

Production at electric utilities only. Does not include industrial electricity generation.

Entitlement Position

The monthly entitlement position of a refiner indicates whether he bought or sold entitlements in that month. An entitlement is the right to process "deemed old oil," which is the sum of a refiner's receipts of "old" oil and a fraction of his receipts of "upper tier" crude oil. This fraction is set monthly by the Economic Regulatory Administration (ERA). A refiner must purchase entitlements for the amount of his "deemed old oil" receipts in excess of the national domestic crude oil supply ratio (NDCOSR). The NDCOSR, as calculated by ERA, reflects the differences in costs to refiners of "old" oil, "upper tier" crude oil, and imported crude oil.

Entitlement Price

The price of an entitlement, fixed by ERA, is the exact differential as reported for the month between the weighted average delivered cost per barrel to refiners of both imported crude oil and stripper crude oil, and the weighted average delivered cost per barrel to refiners of "old oil," less 21 cents.

Firm Natural Gas Service

High priority gas service in which the pipeline company is under contract to deliver a specified volume of gas to the customer on a non-interruptible basis. Residential and small commercial facilities usually fall into this category.

Full Serve

Motor vehicle services are provided by an attendant, such as: pumping gas, washing windows, checking under the hood, checking tire pressure, etc.

Full Service Station

A service station selling motor fuels and oils, tires, batteries and accessories, and performing motor vehicle repairs.

Interruptible Natural Gas Service

Low priority gas service in which the pipeline company has the contractual option to temporarily terminate deliveries to customers by reason of claim of firm service customers or higher priority users. Large commercial facilities, industrial users, and electric utilities usually fall into this category.

Jet Fuel

Includes both naphtha-type and kerosene-type jet fuel meeting standards for use in aircraft turbine engines or meeting ASTM Specification D1655. Although most jet fuel is used in aircraft, some is used for other purposes, such as fuel for gas turbines to produce electricity.

Landed Cost

The cost of imported crude oil equal to actual cost of the crude oil at point of origin plus transportation cost to the United States.

Limited Work Authorization

A Limited Work Authorization (LWA) may be granted by the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission to an applicant who wants to construct a nuclear powerplant providing that the project has been cleared for all requirements of the National Environmental Protection Act and that the geologic and topographic suitability of the reactor site has been found satisfactory. The LWA allows an applicant to proceed with site excavation, install temporary construction and service facilities, construct service roads, and erect structures and components not subject to normal quality assurance inspections. It may save a utility from 6 to 8 months in total construction time. However, because the ultimate approval of a construction permit is based on all evidence revealed during the licensing hearings, the successful award of an LWA is no guarantee that a construction permit will also be granted.

Line Miles of Seismic Exploration

The distance along the earth's surface that is covered by seismic traverses.

Lower Tier Crude Oil

The total number of barrels of crude oil produced and sold from a property in a specific month up to the amount of base period production. Base period production equals the lesser of 1972 or 1975 production, with a downward adjustment to take account of depletion of the oil field (see **Base Production Control Level**).

Lower Tier Ceiling Price Determination

The lower tier ceiling price for a particular grade of domestic crude oil in a particular field is the sum of (1) the highest posted price at 6A.M., local time, May 15, 1973, for transactions in that grade of crude oil in that field; or if there was no posted price in that field for that grade of domestic crude oil, the related price for that grade of domestic crude oil which is most similar in kind and quality in the nearest field for which prices were posted; and (2) the amount mandated in the Monthly Price Adjustment Schedules published by ERA in the **Federal Energy Guidelines** (Part 212.77-13847 Appendix).

Major Brand

Lundberg Survey, Inc., defines major brand as an integrated company that produces, refines, transports, and markets in Interstate Commerce under its own brand(s) in 10 or more States.

Maximum Dependable Capacity

Represents the dependable main-unit net capacity of domestic reactors and generally varies throughout the year because the unit efficiency varies with seasonal cooling water temperature variations. Usually maximum dependable capacity is the highest net dependable output of the turbine generator during the most restrictive seasonal conditions (usually summer).

Motor Gasoline Production

Total production of motor gasoline by refineries, measured at the refinery outlet. Relatively small quantities of motor gasoline are produced at natural gas processing plants, but these quantities are not included.

Motor Gasoline Stocks

Primary motor gasoline stocks held by gasoline producers. Stocks at natural gas processing plants are not included.

National Domestic Crude Oil Supply Ratio

Old oil receipts adjusted for upper tier receipts, small refiner bias, and other minor adjustments, divided by crude runs to stills adjusted for residual fuel entitlements.

National Old Oil Supply Ratio

Old oil receipts, adjusted for small refiner bias and exemptions, divided by crude runs to stills adjusted for entitlements issued for imported refined products.

Natural Gas Liquids

Products obtained from lease separators, field facilities, and natural gas processing plants. Natural gas liquids include natural gas plant liquids and lease condensate.

New Crude Oil

(See **Upper Tier Crude Oil**).

Nonbranded Independent Marketer

A firm which is engaged in the marketing or distribution of refined petroleum products, but which (1) is not a refiner, (2) is not a firm which controls, is controlled by, is under common control with, or is affiliated with a refiner (other than by means of a supply contract), and (3) is not a branded independent marketer.

Old Crude Oil

1. Prior to February 1, 1976: the total number of barrels of crude oil produced and sold from a property in a specific month, less the total number of barrels of new crude oil for that property in that month and less the total number of barrels of released crude oil for that property in that month.

2. Effective February 1, 1976: the total number of barrels of crude oil produced and sold from a property in a specific month, less the total number of barrels of new crude oil for that property in that month.

Primary Stocks of Refined Petroleum Products

Stocks held at refineries, bulk terminals, and pipelines. They do not include stocks held in secondary storage facilities, such as those held by jobbers, dealers, independent marketers, and consumers.

Property

Prior to August 26, 1976, a property was defined as the right to produce domestic crude oil, which arises from a lease or from a fee interest. This definition was interpreted to apply only to a surface lease. In August 1976 the definition of a property was changed so that a producer may treat as a separate property each separate and distinct producing reservoir subject to the same right to produce crude oil, provided that such reservoir is recognized by the appropriate governmental regulatory authority as a producing formation that is separate and distinct from, and not in communication with, any other producing formation. Although this new definition was not implemented until August 26, 1976, it was made effective retroactively to February 1, 1976. (F.R. 36171, August 26, 1976)

Refined Petroleum Products Imports

Imports (into the 50 States and the District of Columbia) of motor gasoline, naphtha-type jet fuel, kerosene type jet fuel, kerosene, distillate fuel oil, residual fuel oil, liquefied petroleum gases, petrochemical feedstocks, special naphtha, lubricants, waxes, asphalt, plant condensate, and unfinished oils. Included are imports of refined products for bonded and military use, and imports from U.S. territories and the Hawaiian Foreign Trade Zone.

Refiner Acquisition Cost

The cost to the refiner, including transportation and fees, of crude oil. The composite cost is the average of domestic and imported crude oil costs, and represents the amount of crude oil cost which refiners may pass on to their customers.

Released Crude Oil

An amount of crude oil produced from a property in a particular month prior to February 1, 1976, which is equal to the total number of barrels of new crude oil produced and sold from that property in that month. The amount of released crude oil for a property in a particular month shall not exceed the base production control level for that property in that month.

Residual Fuel Oil

The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are boiled off in refinery operations. Included are products known as No. 5 and No. 6 fuel oil that conform to ASTM Specification D396, heavy diesel oil, Navy Special Oil, Bunker C oil, and acid sludge and pitch used as refinery fuels. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Rotary Rig

A machine, used for drilling wells, that employs a rotating tube attached to a bit for boring holes through rock.

Self Serve

Motor vehicle services are not provided by attendants.

Separative Work Unit (SWU)

The measure of work required to produce enriched uranium from natural uranium. Enrichment plants separate natural uranium feed material into two groups, an enriched product group with a higher percentage of U-235 than the feed material and a depleted tails group with a lower percentage of U-235 than the feed material. To produce 1 kilogram of enriched uranium containing 2.8 percent U-235, and a depleted tails assay containing 0.3 percent U-235, it requires 6 kilograms of natural uranium feed and 3 kilograms of separative work units (3 SWU).

Startup Test Phase of Nuclear Powerplant

A nuclear powerplant that has been licensed by the Nuclear Regulatory Commission to operate, but that is in the initial testing phase during which production of electricity may not be continuous. In general, when the electric utility is satisfied with the plant's performance, it formally accepts the plant from the manufacturer, and places it in "commercial operation" status. A request is then submitted to the appropriate utility rate commission to include the powerplant in the rate base calculation.

Stripper Well Property

A property whose average daily production of crude oil per well (excluding condensate recovered in nonassociated natural gas production) did not exceed 10 barrels per day during any preceding consecutive 12-month period beginning after December 31, 1972.

Synthetic Natural Gas (SNG)

A product resulting from the manufacture, conversion, or reforming of petroleum hydrocarbons which may be easily substituted for or interchanged with pipeline quality natural gas.

Uncontrolled Crude Oil

That portion of domestic crude oil production including new, released, and stripper oil which, before February 1, 1976, could be sold at a price exceeding the ceiling price.

Unrecouped Costs

Costs which have not been recovered in the current month's product prices but which have been "banked" for later use.

Upper Tier Crude Oil

1. Prior to February 1, 1976: the total number of barrels of domestic crude oil produced and sold in a specific month, less the base production control level for that month and less the current cumulative deficiency.
2. February 1, 1976 through August 31, 1976: the total number of barrels of domestic crude oil produced and sold in a specific month, less the property's base production control level for that month and less the current cumulative deficiency since February 1, 1976. Includes new crude oil and crude oil produced from a stripper well property.
3. Since September 1, 1976: upper tier crude oil excludes crude oil produced from a stripper well property.

Upper Tier Ceiling Price Determination

The upper tier ceiling price for a particular grade of domestic crude oil in a particular field is (1) the highest posted price on September 30, 1975, for transactions in that grade of crude oil in that field in September 1975, or if there was no posted price in that field for that grade of domestic crude oil, the related price for that grade of domestic crude oil which is most similar in kind and quality in the nearest field for which prices were posted; less (2) the amount mandated in the Monthly Price Adjustment Schedules published by ERA in the *Federal Energy Guidelines* (Part 212.77 .13847 Appendix).

Well

A hole drilled for the process of finding or producing crude oil or natural gas or providing services related to the production of crude oil or natural gas. Wells are classified as oil wells, gas wells, dry holes, stratigraphic tests, or service wells.

Explanatory Notes

1. Domestic production of energy includes production of coal (anthracite, bituminous, and lignite), crude oil and lease condensate, natural gas plant liquids, natural gas (dry), electric utility and industrial production of hydropower, and electricity generated from nuclear power, geothermal power, and wood and waste. The volumetric data were converted to approximate heat contents (Btu values) of these energy sources using conversion factors listed in the Units of Measure.

2. Domestic consumption of energy includes consumption of coal (anthracite, bituminous, and lignite), natural gas (dry), domestic demand for refined petroleum products, electric utility and industrial production of hydropower, net imports of electricity produced from hydropower, net imports of coke made from coal, and electricity generated from nuclear power, geothermal power, and wood and waste. Approximate heat contents (Btu values) were derived using conversion factors listed in the Units of Measure.

3. U.S. energy imports include imports of bituminous coal, crude oil (including crude oil imported for the Strategic Petroleum Reserve), refined petroleum products, natural gas (dry), electricity produced from hydropower, and coke made from coal.

4. U.S. energy exports include bituminous and anthracite coal, crude oil, refined petroleum products, natural gas (dry), electricity produced from hydropower, and coke made from coal.

5. The Residential and Commercial Sector consists of housing units, non-manufacturing business establishments (e.g., wholesale and retail businesses), health and educational institutions, and government office buildings. The Industrial Sector is made up of construction, manufacturing, agriculture, and mining establishments. The Transportation Sector consists of both private and public passenger and freight transportation, as well as government transportation, including military operations. The Electric Utilities Sector is made up of privately- and publicly-owned establishments which generate electricity primarily for resale.

6. Degree-days relate demand for energy to outdoor air temperature. Cooling degree-days are defined as deviations of the mean daily temperature at a sampling station above a base temperature equal to 65°F, by convention. Heating degree-days are deviations of the mean daily temperature below 65°F. For example, if a weather station recorded a mean daily temperature of 78°F, cooling degree-days for that station would be 13 (and heating degree-days, 0). A weather station recording a mean daily temperature of 40°F would report 25 heating degree-days (and 0 cooling degree-days).

There are two degree-day data bases maintained by the National Oceanic and Atmospheric Administration. Weekly degree-day information is based on mean daily temperatures recorded at about 200 major weather stations around the country. Monthly data are based on readings at more than 8,000 weather stations. The temperature information recorded at these weather stations is used to calculate statewide degree-day averages based on population. The State figures are then aggregated into Petroleum Administration for Defense (PAD) Districts and into the national average, also using a population weighting method.

Weekly weather reports are available much sooner than the monthly reports, and therefore, the degree-day information published in the *Monthly Energy Review* is normally derived from the weekly source.

7. Domestic demand figures for natural gas liquids (NGL) as reported by the Bureau of Mines and reproduced in this publication do not include amounts utilized by refineries for blending purposes in the production of finished products, principally gasoline. Use of NGL at refineries is reported in a separate column. The production series cited in this publication shows both NGL produced at processing plants and liquefied gases produced at refineries (LRG). NGL produced at refineries is extracted from crude oil and hence, to avoid double counting, should not be included in calculations of total U.S. production of petroleum liquids. The stock series shown in this volume includes natural gas liquids held as stocks at both natural gas processing plants and at refineries and LRG held at refineries.

8. Domestic consumption of natural gas includes the quantities sold to consumers plus the gas used for plant and pipeline fuel, after the natural gas liquids have been extracted. All monthly consumption data are estimated. Marketed production of natural gas includes gross withdrawals from the ground less the quantities used for repressuring and the amount vented and flared, before the natural gas liquids have been extracted. Dry production of natural gas is the quantity remaining after the natural gas liquids have been extracted.

9. The Federal Energy Administration and Federal Power Commission began the coordinated collection and compilation of monthly underground storage information from all underground storage operators in the United States in October 1975. Initial storage information reported was for the month of September 1975. Comparable monthly information for total U.S. storage operations is not available for prior periods.

The total gas in storage is the total volume of gas (base gas plus working gas) in storage reservoirs as of the end of the month. Base gas is the volume of gas, including all native gas in place at the time of conversion to storage, needed as a permanent inventory to maintain adequate reservoir pressures and deliverability rates throughout the withdrawal season. Base gas includes the volumes which will not be recoverable upon termination of storage operations. Working gas is the volume of gas above the designated base gas level available for withdrawal.

10. Bituminous coal and lignite consumption is calculated by Energy Information Administration (EIA) from information provided by the Federal Energy Regulatory Commission, Department of Commerce, and reports from selected manufacturing industries and retailers. Domestic consumption data in this series, therefore, approximate actual consumption. This is in contrast to domestic demand reported for petroleum products, which is a

calculated value representing total disappearance from primary supplies.

Bituminous coal and lignite production is calculated from the number of railroad cars loaded at mines, based on the assumption that approximately 60 percent of the coal produced is transported by rail. Production data are estimated by EIA from Association of American Railroads reports of carloadings.

11. Quantities of uranium are measured by various units at different stages in the fuel cycle. At the mill, quantities are usually expressed as pounds or short tons of U_3O_8. After the conversion stage, the units of measure are either metric tons (MT) of UF_6 or metric tons of uranium (MTU). The later designation expresses only the elemental uranium content of UF_6.

Following the enrichment stage, the same units are used, but the U-235 content has been enhanced at the expense of loss of material. At the fabrication stage, UF_6 is changed to UO_2, and the standard unit of measure is the MTU. We have chosen to present all uranium quantities as MTU; conversion factors to other units are given in the Units of Measure section.

12. The units used to describe power generation at nuclear plants are based on the watt, which is a unit of power. (Power is energy produced per unit of time.) As with fossil-fueled plants, nuclear plants have three design power ratings. The the normal rating (expressed in thermal megawatts) is the rate of heat production by the reactor core. The gross electrical rating (expressed in electrical megawatts, MWe) is the generator capacity at the stated thermal rating of the plant. The net electrical rating (also expressed in MWe) is the power available as input to the electrical grid after subtracting the power needed to operate the plant. (A typical nuclear plant needs 5 percent of its generated electricity for its own operation.)

The electrical energy produced by a plant is expressed either as megawatt hours (MWh) or kilowatt hours (kWh). Tables in the nuclear section show generated electricity as average electrical power. This enables a more direct comparison to design capacity and to previous months' performances. To obtain the quantity of electricity generated during a given time period (in kilowatt hours), multiply the average power level (in kilowatts) by the number of hours during that period.

The energy extracted from uranium fuel is expressed as thermal megawatt days per metric ton of uranium (MWD/MTU). The production of plutonium in the fuel rods is expressed as kilograms of plutonium per metric ton of discharged uranium (kg/MTU).

13. The refiner acquisition cost of domestic crude oil is the price paid by refiners for domestic crude oil, unfinished oils, and natural gas liquids and includes transportation costs from the wellhead to the refinery. The refiner acquisition cost of imported crude oil is the average landed cost of imported crude oil to the refiner and represents the amount which may be passed on to the consumer. It incorporates transportation costs and fees (including the supplemental import fees) and any other costs incurred in purchasing and shipping crude oil to the United States.

14. Prior to February 1976, the domestic crude oil wellhead price represented an estimate of the average of posted prices; after February 1976, the wellhead price represents an average of first sale prices. For the 2-year period January 1974 through January 1976, the old oil price at the wellhead was originally estimated to be $5.25 per barrel based on representative postings. This estimate was revised in July 1976 after a survey of crude oil purchasers was implemented and more complete data became available. Estimates of the average old oil price given in the table for months prior to February 1976 are based on prices for old oil reported on new oil leases, and were not derived from a statistically valid sample of old oil leases.

15. The actual domestic average price represents the average price at which all domestic crude oil is purchased. The imputed domestic average price is the average price used to establish ceiling prices for domestic crude oil in accordance with the provisions of the Energy Conservation and Production Act. It is calculated as the weighted average of lower tier, upper tier, and an imputed stripper crude oil price. The imputed stripper crude oil price is equal to $11.63 per barrel plus the difference between the composite price of crude oil in August 1976 (excluding stripper oil) and the composite price of crude oil in the month of measurement (excluding stripper oil).

16. FOB literally means "Free on Board." It denotes a transaction whereby the seller makes the product available with an agreement on a given port at a given price; it is the responsibility of the buyer to arrange for the transportation and insurance.

17. The landed cost of imported crude oil from selected countries does not represent the total cost of all imported crude. Prior to March 1975, imported crude costs to U.S. company-owned refineries in the Caribbean were not included in the landed cost, and costs of crude oil from countries which export only small amounts to the United States were also excluded. Beginning in March 1975, however, coverage was expanded to include U.S. company-owned refineries in the Caribbean. Landed costs do not include supplemental fees.

18. The major brand category includes those stations using the primary brand of a major refiner. Primary brands are the brand names or logos that are associated most commonly with the 15 integrated major refiners as defined in the Emergency Petroleum Allocation Act of 1973. These refiners are: Amoco, Atlantic Richfield, Chevron, Cities Service, Continental, Exxon,Getty, Gulf, Marathon, Mobil, Phillips, Shell, Sun, Texaco, and Union Oil of California. The nonmajor brand category includes all the other stations in the survey. Stations using secondary brands of major refiners are included in the nonmajor brand category, as these stations typically price their gasoline to compete with independent refiner and market-brand stations. Stations owned and operated directly by refiners are not included in this survey.

19. The U.S. Department of Energy Regions are defined as follows:

Region 1—Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island;
Region 2—New York, New Jersey, Puerto Rico, Virgin Islands;

Region 3—Pennsylvania, Maryland, West Virginia, Virginia, District of Columbia, Delaware;
Region 4—Kentucky, Tennessee, North Carolina, South Carolina, Mississippi, Alabama, Georgia, Florida, Canal Zone;
Region 5—Minnesota, Wisconsin, Michigan, Illinois, Indiana, Ohio;
Region 6—Texas, New Mexico, Oklahoma, Arkansas, Louisiana;
Region 7—Kansas, Missouri, Iowa, Nebraska;
Region 8—Montana, North Dakota, South Dakota, Wyoming, Utah, Colorado;
Region 9—California, Nevada, Arizona, Hawaii, Trust Territory of the Pacific Islands, American Samoa, Guam;
Region 10—Washington, Oregon, Idaho, Alaska.

20. The survey and method used to derive data for March 1976 forward differ from those used for prior months. Data for January 1974 through February 1976 are derived from a survey of distributors, and prices and margins are computed as unweighted averages. The average distributor purchase price and average dealer margin for March 1976 forward are for distributors only, whereas the average selling price includes both refiners and distributors. Data for March 1976 forward are computed as sales weighted averages.

21. The weighted average utility fuel cost for the total United States includes distillate fuel oil delivered to utilities whereas the regional breakdown for residual fuel oil prices represents only No. 6 fuel oil prices.

Units of Measure

Weight

1 metric ton	**contains**	1,000 kilograms or 2,204.62 pounds
1 long ton	**contains**	2,240 pounds
1 short ton	**contains**	2,000 pounds

Conversion Factors for Crude Oil (Average Gravity)

1 barrel	**contains**	42 gallons
1 barrel	**weighs**	0.136 metric tons (0.150 short tons)
1 metric ton	**contains**	7.33 barrels
1 short ton	**contains**	6.65 barrels

Conversion Factors for Uranium

1 short ton (U_3O_8)	**contains**	0.769 metric tons of uranium
1 short ton (UF_6)	**contains**	0.613 metric tons of uranium
1 metric ton (UF_6)	**contains**	0.676 metric tons of uranium

Approximate Heat Content of Various Fuels		1972	1973	1974	1975	1976	1977-78-79
Bituminous coal and lignite							
Production	Btu/short ton	24,050,000	24,010,000	23,730,000	23,200,000	23,150,000	22,900,000
Imports	Btu/short ton	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
Exports	Btu/short ton	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000	27,000,000
Consumption, average	Btu/short ton	23,750,000	23,650,000	23,070,000	22,800,000	22,750,000	22,570,000
Electric utility consumption	Btu/short ton	NA	22,180,000	21,800,000	21,660,000	21,690,000	21,520,000
Non-utility consumption	Btu/short ton	NA	27,020,000	26,120,000	25,810,000	25,870,000	26,020,000
Coke	Btu/short ton	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000	26,000,000
Anthracite							
Production	Btu/short ton	23,420,000	23,170,000	22,560,000	23,390,000	22,770,000	22,500,00
Imports and Exports	Btu/short ton	25,400,000	25,400,000	25,400,000	25,400,000	25,400,000	25,400,00
Consumption, average	Btu/short ton	23,020,000	22,710,000	21,950,000	21,740,000	22,150,000	22,000,00
Electric utility consumption	Btu/short ton	NA	17,200,000	17,200,000	17,060,000	17,530,000	17,240,00
Non-utility consumption	Btu/short ton	NA	24,590,000	23,750,000	23,650,000	23,840,000	23,790,00
Crude petroleum*							
Production	Btu/barrel	5,800,000	5,800,000	5,800,000	5,800,000	5,800,000	5,800,00
Imports	Btu/barrel	5,809,055	5,817,131	5,826,768	5,821,375	5,808,452	5,809,90
Exports	Btu/barrel	5,800,000	5,800,000	5,800,000	5,800,000	5,800,000	5,800,00
Petroleum products							
Consumption, average	Btu/barrel	5,500,005	5,514,605	R5,503,841	5,494,291	R5,504,484	5,526,06
Imports	Btu/barrel	6,044,855	5,983,262	5,959,487	5,934,666	5,980,372	5,907,51
Exports	Btu/barrel	5,740,671	5,752,055	5,773,222	5,746,991	5,743,408	5,796,15
Crude Petroleum and Products							
Imports, average	Btu/barrel	5,934,635	5,897,122	5,883,985	5,857,876	5,856,076	5,834,20
Exports, average	Btu/barrel	5,740,812	5,752,455	5,773,577	5,748,482	5,745,450	5,796,94
Natural gas plant liquid production	Btu/barrel	4,069,763	4,049,369	4,010,663	3,983,763	3,964,050	3,941,15
Natural gas, dry							
Production and consumption	Btu/cubic foot	1,027	1,021	1,024	1,021	1,020	1,02
Imports	Btu/cubic foot	1,027	1,026	1,027	1,026	1,025	1,02
Exports	Btu/cubic foot	1,027	1,023	1,016	1,014	1,013	1,01
Hydropower	Btu/kWh	10,379	10,389	10,442	10,406	10,373	10,43
Nuclear power	Btu/kWh	10,792	10,903	11,161	11,013	11,047	10,76
Geothermal power	Btu/kWh	21,668	21,674	21,674	21,611	21,611	21,61

Refined Petroleum Products:	Btu/barrel
Asphalt	6,636,000
Aviation gasoline	5,048,000
Butane	4,326,000
Butane—propane mixture**	4,130,000
Distillate fuel oil	5,825,000
Ethane	3,082,000
Isobutane	3,974,000
Jet fuel—kerosene type	5,670,000
Jet fuel—naphtha type	5,355,000
Kerosene	5,670,000
Lubricants	6,065,000
Motor gasoline	5,253,000
Natural gasoline	4,620,000
Petrochemical feedstocks	
Naphtha 400°	5,248,000
Other oils over 400°	5,825,000
Still gas	6,000,000
Petroleum coke	6,024,000
Plant condensate	5,418,000
Propane	3,836,000
Residual fuel oil	6,287,000
Road oil	6,636,000
Special naphtha	5,248,000
Still gas	6,000,000
Unfinished oils	5,825,000
Wax	5,537,000
Miscellaneous	5,796,000

*Includes lease condensate.
**60 percent butane and 40 percent propane.
NA=Not available.
R=Revised data.

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